

STRUCTURED WATER - WHAT IS IT?

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1) The Molecular Structure of Water

Water is composed of only two atoms - Hydrogen and Oxygen. But don't let that simplicity fool you.

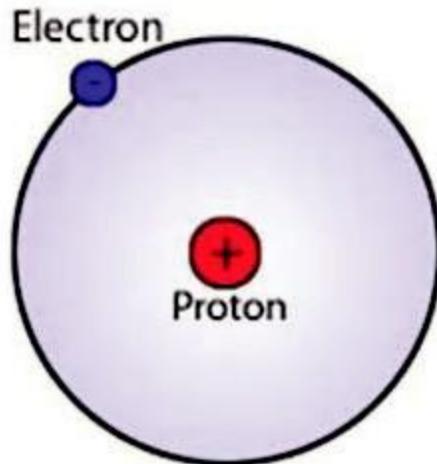
Now, for a quick lesson! All atoms consist of a nucleus (which contains protons/neutrons) that is surrounded by one or more electrons **orbiting around the nucleus**. And because the electrons travel at speeds approaching the speed of light, their orbits more closely resemble "clouds" rather than clearly defined pathways. Within these clouds are layers or "shells" (also called orbits) of electrons. The first electron shell contains one orbit which can accommodate up to two electrons. When the first electron shell is complete (with its two electrons), it is stable and less likely to react. The second electron shell can contain up to eight electrons with four different orbits of two electrons each. Like the first shell, it is most stable when it is complete - in this case with eight electrons (known as "the Octet Rule"). The number of electrons in the outer shell (which is called the valence shell) determines the chemical reactivity of the atom. Atoms are only satisfied or "happy" if they have a full outer electron shell, which means they will do whatever it takes to gain or lose electrons in order to complete their outer shell. Makes sense so far, right?

Now, the number of protons (known as the atomic number) determines what element an atom is. The number and location of electrons in their respective orbits determines how an atom behaves.

As you can see from the simple diagram below, the hydrogen atom, being the first element on the periodic table, contains only one proton and one electron. This leaves one vacant spot in its

first and only electron shell. The proton (*red*) carries a positive charge and the electron (*blue*) carries a negative charge. Because the positive and negative charges cancel each other out, the entire hydrogen atom is neutral in charge.

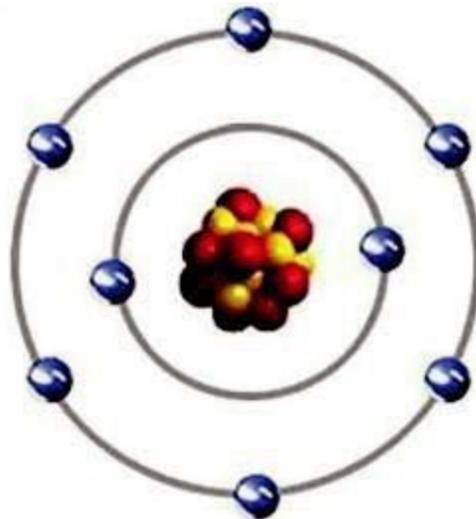
So, let's check out what a hydrogen atom looks like!



Who wants to see

oxygen atom looks like?

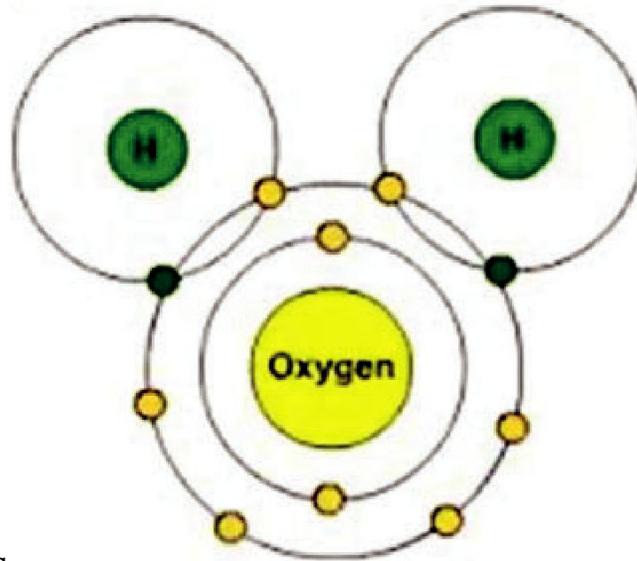
what a good ol'



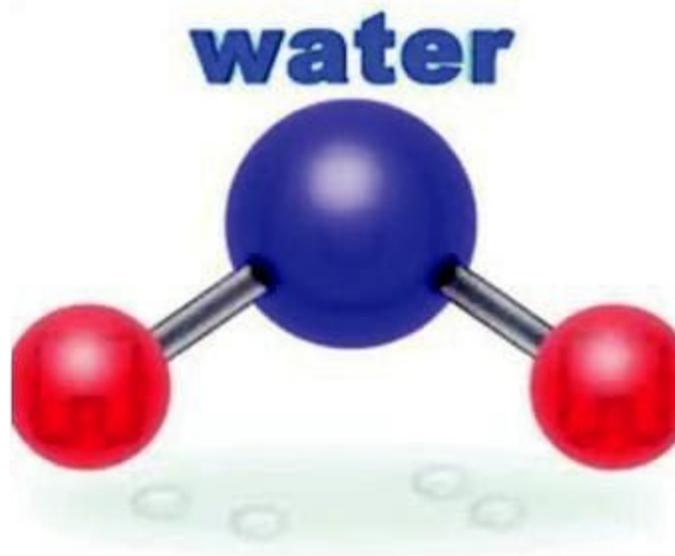
Oxygen has eight positively charged protons and eight neutrons in its nucleus with eight electrons spinning around the nucleus in two different orbital levels or "shells." The yellow colored neutrons are neutral in charge and do not contribute to the net charge of the water molecule.

Now, let's use what we know. In order for the outer shell of the oxygen atom to be complete, it would need to acquire two more electrons for a total of eight electrons. In water (H_2O), these two additional electrons are provided by the two hydrogen atoms sharing their electrons with the oxygen atom. Whenever two or

more atoms share electrons to form a bond between them, the bond they form is called a "*covalent bond.*"



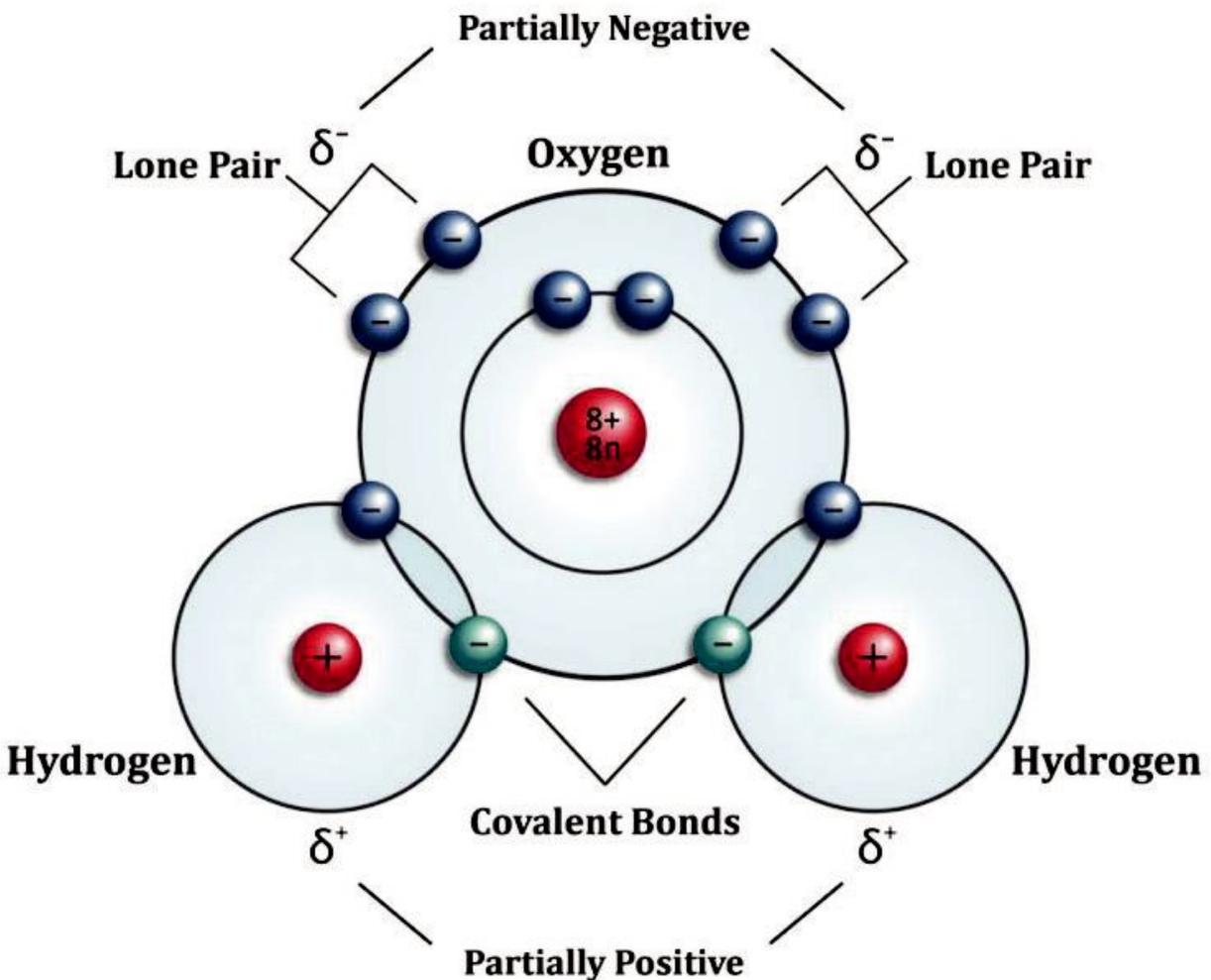
Kind of looks like Mickey Mouse, doesn't it? The very tiny water molecule is actually shaped like a triangle. The blue sphere is the oxygen atom, and the red spheres are the two hydrogen atoms. The rods between the oxygen and hydrogens represent the molecular bonds.



Think of the bonds as springs that can be bent and stretched to store information and excess energy (*more about that later in the*

explanation about how our water structuring units work).

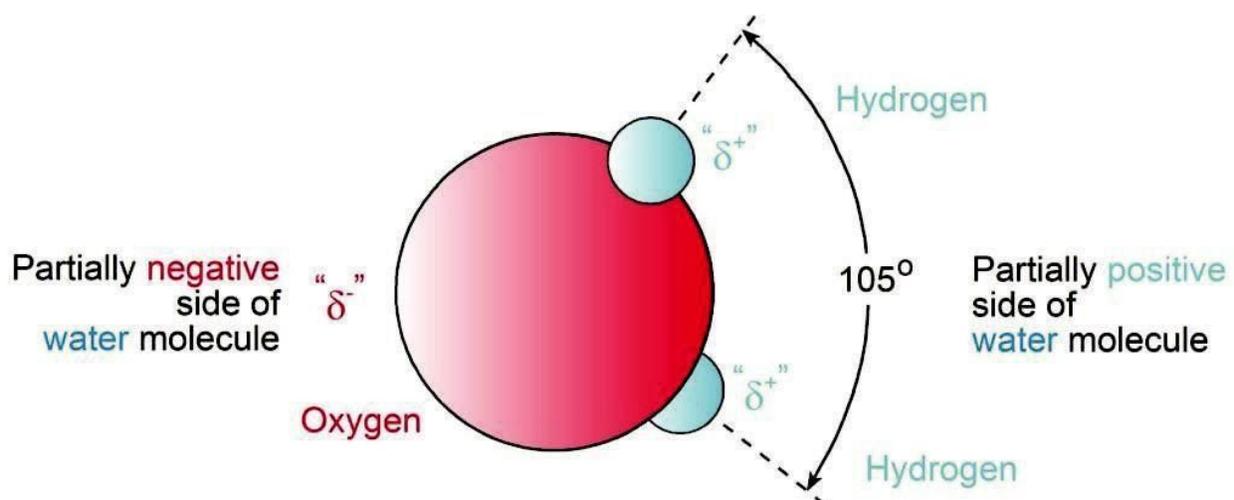
As seen in the diagram below, when the hydrogen and oxygen atoms come together to form the water molecule, the ten electrons pair up into five "orbitals," one pair closely associated with the oxygen atom in its inner shell, two (lone) pairs associated with the oxygen atom as "outer" electrons, and two pairs forming each of the two identical oxygen-hydrogen covalent bonds I spoke of above.



Each water molecule is electrically neutral but polar, meaning that the centers of positive and negative charges are located in different places on the molecule. Due to the relatively large

positive charge from the eight protons in the oxygen atom's nucleus ($8+$) and the closeness of its electrons, the oxygen atom has a stronger attraction to all the electrons (i.e. is much more electronegative) than the hydrogen atoms with only one proton ($1+$) each. This results in a charge transfer from the hydrogen atoms toward the oxygen atom. Hence, the polarity of the water molecule makes the oxygen end of the molecule partially negative, while the hydrogen end is partially positive.

Why is this important, you ask? Because many of the physical and chemical properties of water are due to its structure. The atoms in the water molecule are arranged with the two hydrogen-oxygen (HO) bonds at an angle of about 105° rather than being on directly opposite sides of the oxygen atom. The asymmetrical shape of the molecule arises from a tendency of the four electron pairs in the valence shell of oxygen to arrange themselves symmetrically at the vertices of a tetrahedron around the oxygen's nucleus. The two pairs associated with covalent bonds holding the hydrogen atoms are drawn together slightly, resulting in a 105° bond angle.



Hydrogen Bonding

So, from the diagrams and explanations above, you already understand that the water molecule, as a whole, has a positive side and a negative side. Ever hear that opposites attract? It's the same thing with water molecules. Under optimum conditions, the water molecules attract one another in precise geometric patterns called "clusters," with the positive end of one water molecule lined up with the negative side of another water molecule. This attraction is called an "electric dipole."

The electric dipole gives rise to attractions between opposite, neighboring ends of water molecules, with each oxygen atom attracting two nearby hydrogen atoms of two other water molecules. Such hydrogen bonding, as it's called, has also been observed in other hydrogen compounds. Although considerably weaker than the covalent bonds holding the water molecule together, hydrogen bonding is strong enough to keep liquid water at ordinary temperatures, even though its low molecular weight would normally cause it to become a gas at such temperatures.

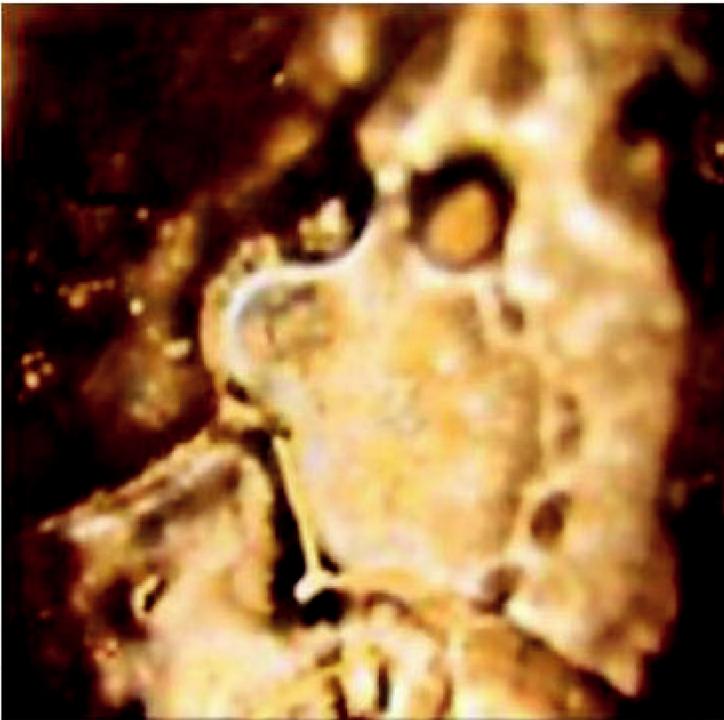
Oxygen atoms in the tetrahedral clusters then begin to bond with hydrogens in other tetrahedral clusters, which then gives rise to the hexagonal shape of the snowflake that we all know so well.

Because water molecules form these hydrogen bonds with neighboring water molecules, water has some very unusual anomalies that we will discuss in later sections.

2) So, What is Structured Water?

Let's dive in! "*Structured Water*" is another term for water in its natural state that has not been subjected to the damaging effects of the modern phenomena of pipes, man-made electromagnetic frequencies, and toxic chemicals.

Did you know modern science and technologies have done more to injure, alter, and contaminate water than at any time in the history of man? Current methods of treating and transporting water only serve to further corrupt, de-energize, and ultimately destroy water's many amazing, life-enhancing qualities.



Above is a picture of damaged water taken from a polluted reservoir in Japan. See that it has no identifiable molecular structure.



And here is the same water after enhanced. Look at the difference! No water would you like

Behold! Below is a depiction of a typical snowflake exhibiting the perfect 6-pointed geometric hexagonal (or six sided) configuration we all know and love.



But in actuality, there is no such thing as a "typical" snowflake. Why? Because each one is unique, different in shape and form from all others. It's yet another fascinating mystery of the miracle we all know as water!

In the picture below, you can easily see the hexagonal geometric pattern in an actual cluster of healthy water. It is this exact pattern that gives rise to the six points of the snowflake shown above.



Ok, but before going any further, let me first get back to what structured water really is. When some people hear the term "structured water," they think of the actual structure of water (like a molecule of "H₂O"). H₂O is only describing the chemical structure of the three atoms which compose the individual water molecule itself. When we talk about "structured water," we are referring to the arrangement or configuration of the individual H₂O molecules in relation to each other when they become organized to form a repeating, geometric, molecular pattern. When that happens, then water becomes a liquid crystal, and it is this liquid crystalline form of water that is referred to as "structured" water.

Here's a fun fact. Were you aware that every one of the earth's minerals has a crystalline form.? Diamonds are crystalline carbon,

and emeralds are crystalline beryllium. The difference between a diamond and carbon is the way the atoms are organized or structured. Each crystal has a specific structural pattern which provides its unique characteristics. Minerals form crystals when external forces or energy cause the atoms to form an organized, repeating, geometric pattern. Most people know that a diamond is formed by extreme pressure. The pressure forces the carbon atoms to arrange themselves into a different geometric configuration to withstand the pressure.

Most people only think of H₂O as being in a crystalline form when it is existing in its solid phase as ice. But numerous scientific studies have now proven that there is a liquid crystalline form of water as well. Unlike the rigid molecular configurations of atoms in solid crystals such as diamonds, the structured water molecules remain mobile and fluid, yet they move together in a coherent way (like the joyful murmuration of starlings). By the way, I chose this particular video over many others because of the joyous expressions and youthful exuberance of the two beautiful young ladies literally lost in the wonder of the moment. You'll see what I mean...

WOW!

Don't ask me why, but I get a tear in my eye every time I watch this video! It's amazing!

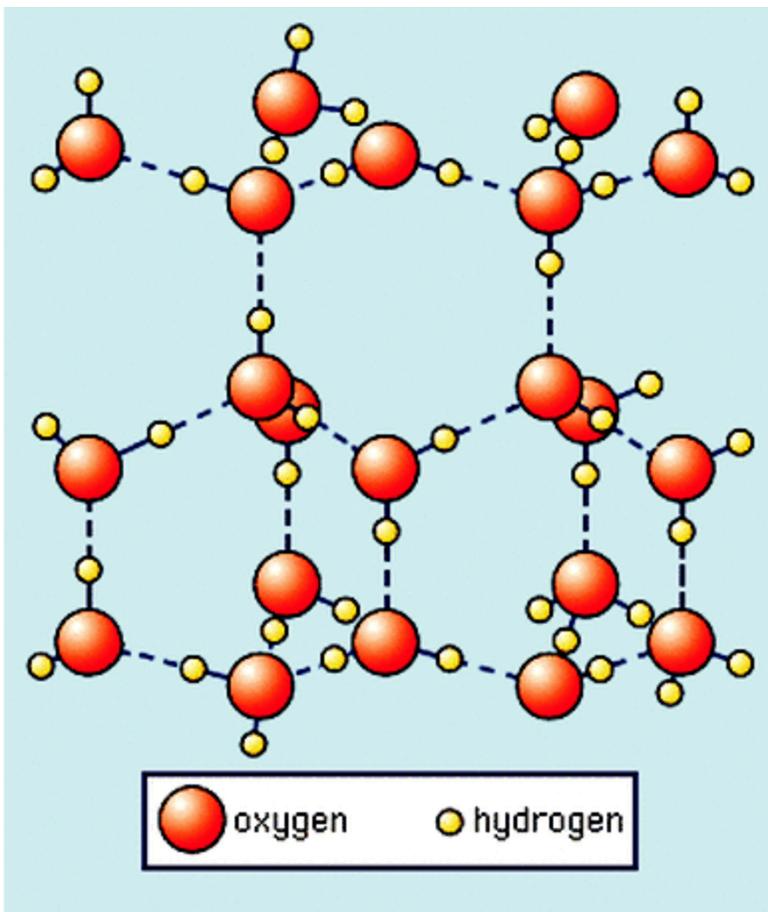
And even though no one knows exactly how the starlings do it, it's my theory that they are following the natural, energetic pools and eddies contained within the earth's natural background

scalar field. Not to worry! We'll speak again about this later in this article.

Continuing on...

So, the only way many of the properties of water can be explained is by understanding that Structured Water has a very unique molecular configuration which does in no way adhere to the generally accepted laws of physics. Got it? But understanding this "fourth phase of water," as Dr. Gerald Pollack describes it, gives us a more holistic view of why water acts in the amazing way it does.

So, let's summarize! Water's crystalline structure is based on tetrahedral geometry where oxygen atoms form the center of each tetrahedron. Under ideal circumstances, as these water tetrahedra begin to join together a repeating hexagonal pattern is created with oxygen atoms forming the vertices of each hexagon as depicted below. Perfect! You got it!



6) What Makes Structured Water
So Special?



Water does many other seemingly miraculous things, many of which we still do not fully understand. However, in order for water to accomplish its other equally important tasks, it must be properly aligned or "organized," as I just showed above.

Therefore, it would be natural to think that the structure of water cannot be altered or organized, right? However, we can see through everyday observation that it can be (and is) altered by nature all the time.

For those still inclined to be skeptical of the ever-changing nature of water, I offer you the following nine of over 70 anomalous points to ponder. Are you ready? And as you

consider these easily observed behaviors of water, you may find that your preconceptions of what water is and what it does are seriously challenged (which is completely OK)!

1. Consider clouds. Look up and observe the shape and distribution of clouds. Common sense suggests that when water evaporates from the surface of the earth in the form of vapor, it should become evenly distributed in the atmosphere. But it's obvious from just looking at clouds that this is not the case.



2. Consider Jell-O. It's composed of over 95% water by weight. So, why doesn't some or all that water run out when you turn the Jell-O upside down?

Or land on it?



3. Consider a stream of water bent by static electricity. How and why does that happen?



4. Consider the water molecule itself. Why is it a liquid at room temperature when the much heavier molecule of carbon dioxide (CO_2) is a gas?

And going a bit further, how and why do two gases (oxygen and hydrogen), when joined together, form a liquid (water) in the first place?

Are you intrigued yet?



5. Consider the water bridge. How (and more importantly why) does the water climb up the sides of the glass container to join its companion water in the other glass?
6. Why is water the ONLY substance on earth that expands when it freezes?



7. Why (if water is nothing more than a simple collection of randomly spaced molecules that move freely about within a container) is water the ONLY substance on earth that cannot be compressed?



8. And since we're asking questions, have you ever considered the surface tension of water? Why don't the paper clips sink?



9. And finally, here's a fun one I know you can't answer: If you drink 2 pounds of ordinary unstructured tap water and then step on a very precise scale, you will see that you temporarily gained two pounds (*not to worry since water isn't fattening*). But if you drink two pounds of the same ordinary tap water that has first been run through one of our Crystal Blue Water Structuring Devices, you only gain one and seven eighths of a pound, not two.

Wait...Huh?



Gotta love that face! Ok, so now that I have your undivided attention, you really should stop and watch the following YouTube video masterpiece. BTW, many of the scientists shown speaking in the video are working directly with Crystal Blue. So, after considering these unusual behaviors of water, the two obvious questions are:

1. Do you still think that the molecular structure of water cannot be organized or altered?

or:

2. Is there perhaps something else going on here that most of us have never even thought about before?

And the answer is...let's find out together!

7) The True Essence of Structured Water



Before diving deeper into this section, I thought you might enjoy this simple (but very informative) little video about how water nourishes your body.

Now, most of us know deep down inside that clean, natural water is better for us, and obviously, spring and rainwater are the very best water sources. In fact, every farmer knows that rainwater is better for his crops and livestock than irrigation water. Why? The reason is actually quite simple. Rainwater falling from the sky is refreshed, energized, and transformed by the rays of the sun, the swirling motion of the wind, the electrical charge of lightning, and by the natural design of the atmosphere itself.

All these factors work together in perfect harmony to realign the molecular configuration of water, making it more efficient and productive for plants, animals, and people.

And wouldn't you know it! Our Crystal Blue Water Structuring Units enhance water in much the same way. Their unique design accomplishes one of nature's greatest miracles of regeneration and renewal by mimicking the natural vortexing motion of water as it falls to the earth as rain and tumbles along a mountain stream, creating a measurable increase in water's ability to hydrate and nourish plant and animal tissues, penetrate soils, and conserve water. This causes crops and livestock (*and people too!*) to grow better and healthier. Just watch!

Let's keep it simple (kind of)! Think of healthy water as the self-organizing liquid crystal composed of the previously

mentioned tiny "clusters" of water in perfect geometric shapes that remain forever in limited motion relative to one another.



Together, these clusters have the unique ability to receive, store, and convey information and bio-electric energy throughout the entire body, revitalizing and regenerating each and every cell.

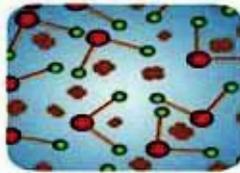
The crystal shape is also small enough to allow the healthy water cluster to penetrate the cell wall (in plants) or the cell membrane (in animals and people) through a process known as selective permeability. This is something that the larger, unorganized collections of unhealthy water are much less likely and able to do. Hence, the reason you can drink plenty of “unhealthy water” but still feel dehydrated, which is one of the main causes for the

epidemic of health problems we see running rampant throughout society today.

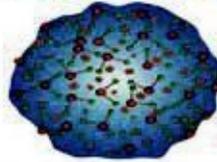
STRUCTURED WATER = Softer Water



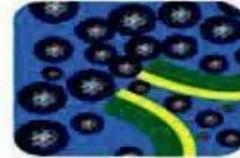
Water molecules



bond together



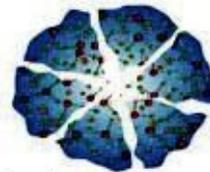
to form water molecule clusters.



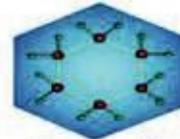
Many are too large to enter the cell.



Crystal Blue Water Unit

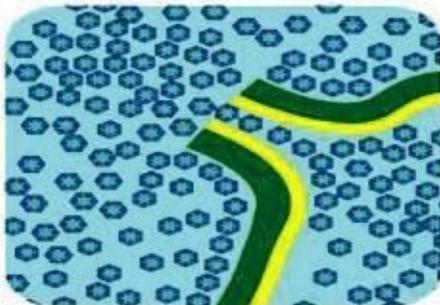


breaks apart clusters



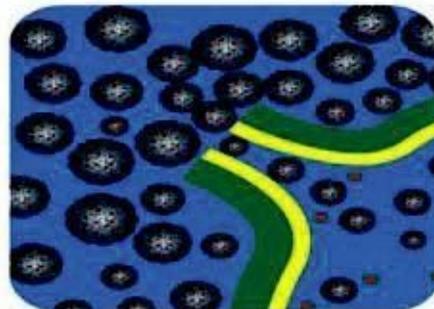
into smaller hexagonal clusters

STRUCTURED WATER



Full Hydration

UNSTRUCTURED WATER



Partial Hydration

In addition, while the chemical composition of Structured Water remains basically the same, it tastes and feels much different than unstructured water. How, you ask? It not only feels much "softer," but it tastes fresher and cleaner. There is also mounting evidence suggesting that Structured Water reduces or eliminates the harmful effects of chemical contaminants found throughout our water supply. A total win-win!

To simplify, water carries within its molecular framework most of what is needed to sustain and support all life on earth, and Structured Water is able to perform all these functions in a much more efficient way. Water physiologist, Gordon Jordahl, who has studied the many mysteries of Structured Water for nearly 30 years, states:

“Our awareness of Structured Water is still in the passive phase...and although we depend on this precious resource to live, we have not yet fully understood the mysteries and importance of the role water plays in supporting healthy life processes well enough to take active steps to preserve or enhance its quality, until now. We do know that water in its natural and organized state contains greater caloric capacity to perform work, expel wastes, absorb temperature changes, and protect against and enhance various other energetic influences.”

So, there you have it! The benefits Structured Water provides are seemingly endless.

5) The Science and Mystery of Structured Water



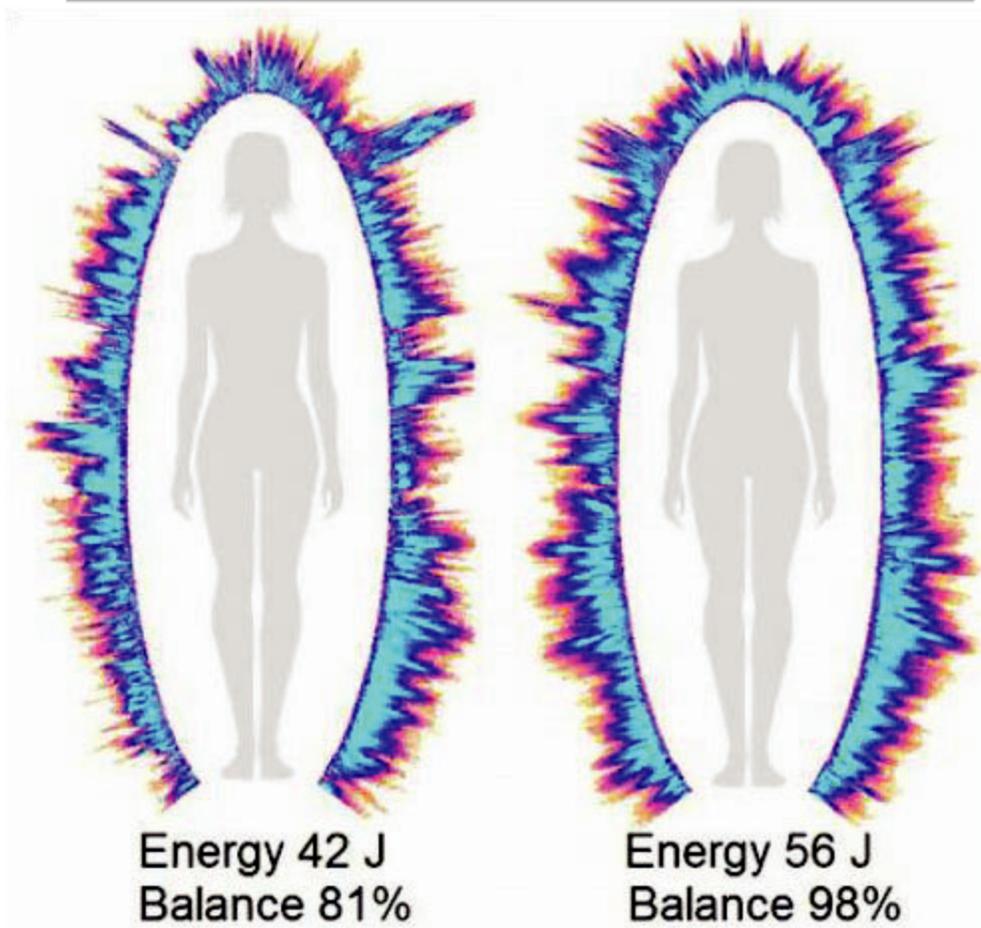
As you may have guessed, prior to the Industrial Age, all water on earth was properly structured because, as stated above, this is the condition of water in its natural state. As man has increasingly tampered with the inner workings of nature, the ensuing result has been a catastrophic break down and disorder of the natural order - water, soil, and the atmosphere. Consequently, man is having to develop a means by which to recondition, re-energize, and rejuvenate our water supply, our soils, and our world. Boy, do we create problems for ourselves or what?

One of the most unique and newly discovered qualities of healthy

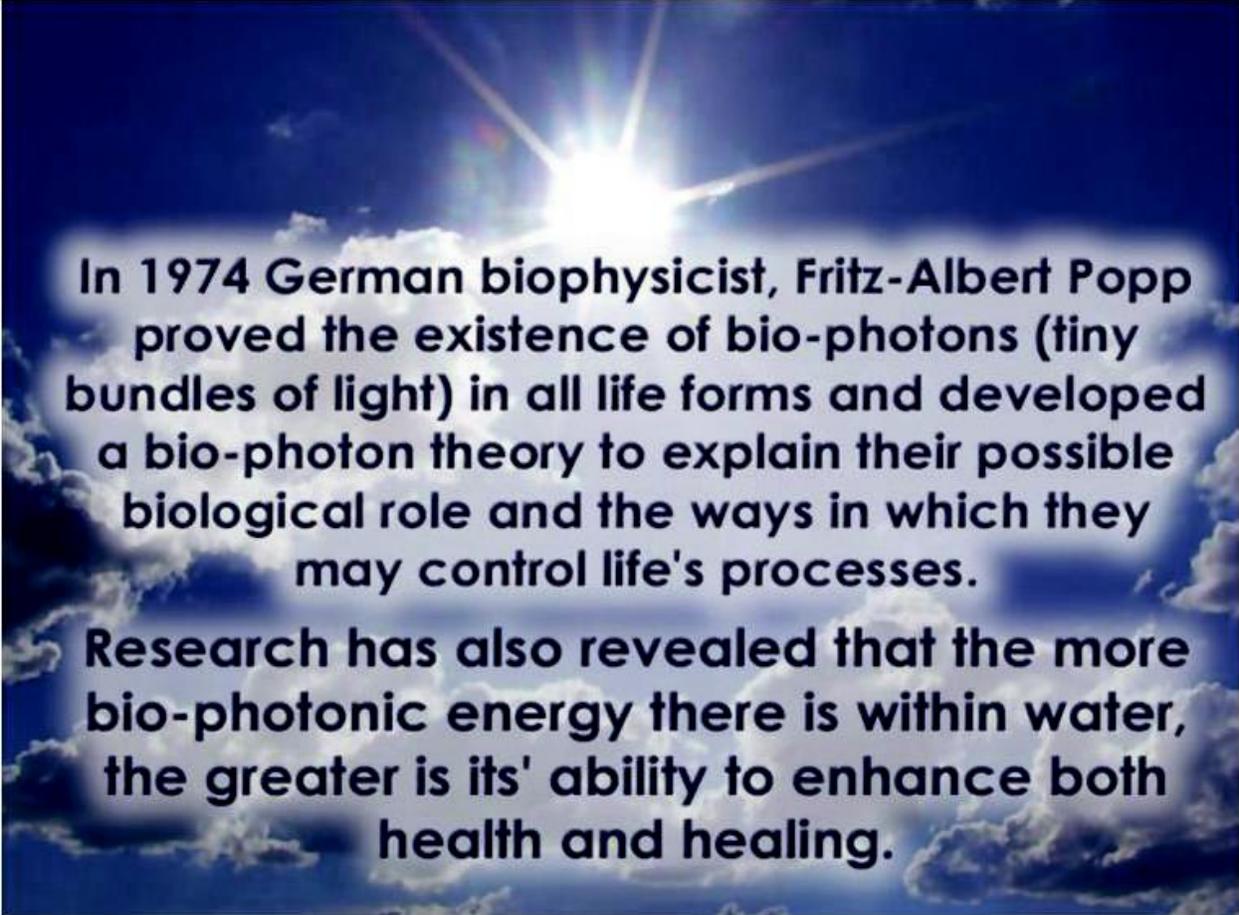
water is the presence of bio-photonic energy (or light energy), which is most easily described as the energy of life itself.

"Water is the life blood of the earth. When water is healthy, it has a complex structure that enables it to communicate information, carry energy and nutrients, and promote healing, self-cleansing, and the discharging of wastes."

~Viktor Schauberger, Forester, Naturalist and Water Visionary



Human Energy Field before and after drinking structured water



In 1974 German biophysicist, Fritz-Albert Popp proved the existence of bio-photons (tiny bundles of light) in all life forms and developed a bio-photon theory to explain their possible biological role and the ways in which they may control life's processes.

Research has also revealed that the more bio-photonic energy there is within water, the greater is its' ability to enhance both health and healing.

GDV PHOTOS - Everything is Energy



Well Water
before Structuring



Well Water
after Structuring

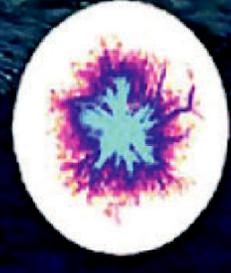
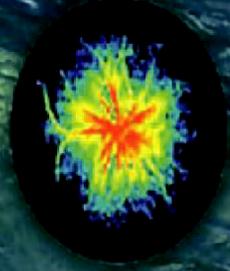


Rain Water
before Structuring



Rain Water
after Structuring

**After running
water
through our
Crystal Blue
Water
Structuring
Units
its energy
increases by
300%**



Structured water
fuels all living cells



The following account of the experiences of Dr. Batmanghelidj in his medical use of Structured Water is for informational purposes only and should not be construed as CBE's endorsement of Structured Water as a medical therapy.



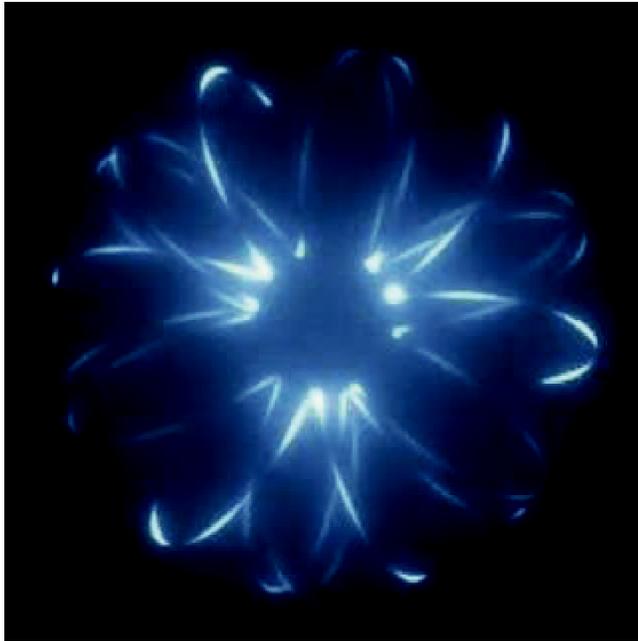
Dr. Fereydoon Batmanghelidj rediscovered the medicinal powers of water while languishing in an Iranian prison during the Iranian Revolution in 1979. Having no medicines available, he chose instead to treat his fellow inmates with prescriptions of water alone, which affected many astounding cures.

It has now been conclusively proven that water records or "remembers" everything that it comes in contact with, in a way similar to that of a computer hard drive. In fact, we at Crystal Blue Enterprises liken water to a biological computer with an almost unlimited capacity to carry and convey these "memories." See video below.

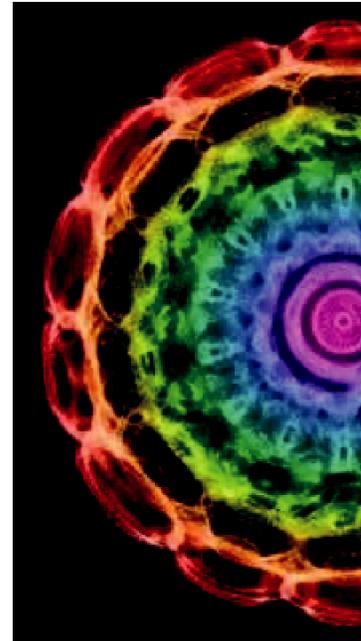
So, how does this work? When water is exposed to toxic thoughts, chemicals, materials, and environments, it remembers and stores the unnatural vibrations of these insults deep within its molecular framework. Water remembers toxic substances like cadmium, lead, mercury, chemical solvents, estrogen, dioxin, plant protection agents, lacquers, acids, artificial fertilizer, phosphates, bleach, softener, etc. But this memory cannot be removed by any form of filtration, and the toxic effects of these memories remain until they are naturally "cleared" or "cleansed," which is exactly what we have accomplished in our Crystal Blue Water

Structuring Units. Wondering how toxic thoughts can affect water? No problem! Please watch the video below.

Luckily, water also remembers the healthy, energetic side of all life on earth and serves as the conduit for its expression. Research carried out by Nobel Prize Winner Professor Luc Montagnier revealed that water and DNA responded identically to many outside stimuli and can actually be programmed or “organized” by electro-magnetic and sonic frequencies in the form of photons (*light waves*) and phonons (*sound waves*).



Photons



Sound waves
(captured by a

Dr. Jacques Benveniste, in 1988, discovered that a material substance could be diluted in water and then be completely removed from it through filtration. Yet the water itself continued to retain the same healthy or harmful vibrational frequency as the removed substance, just as the voice of a singer is transferred and stored onto a CD.



In 2002, Dr. Peter Gariaev, director of the Wave Genetics Institute in Moscow, Russia, for the first time in history successfully managed to directly affect genetic information in the DNA of living rats using only electromagnetic frequencies. The information transfer of healing electromagnetic frequencies resulted in a 90% success rate in the healing and rebuilding of damaged pancreatic tissue.

In some of his experiments, the technology used was modified to allow for successful wireless transmission of the healing frequencies to the sick rats at a distance of 20 kilometers (*over 12 miles*)! Extremely weak signals were used. Yet astonishingly enough, the rats' DNA was able to read and apply the signals that directly provoked a complete healing in almost every case! In other amazing discoveries of water's mysterious attributes, scientists at the Helmholtz-Zentrum Dresden-Rossendorf in

Germany discovered that the Structured Water surrounding the DNA molecule actually influences the very structure of the genetic code of life itself!



As recently as June of 2016, scientists at Ohio State University, in a ground-breaking discovery, found that water plays an integral role in the formation of our body's proteins. In essence, they got a tiny (and totally eye opening) glimpse into the mystery of why life cannot happen without water.

A study in this week's *Proceedings of the National Academy of Sciences* provides the strongest evidence yet that proteins—the large and complex molecules that fold into particular shapes to enable biological reactions—can't fold by themselves.

So, how does the folding happen? The work of folding is actually done by much smaller water molecules, which surround proteins and push and pull on them to make them fold a certain way in fractions of a second, like scores of tiny origami artists folding a giant sheet of paper at blazing fast speeds.

Dongping Zhong, leader of the research group at The Ohio State University that made the discovery, called the study a "major step forward" in the understanding of water-protein interactions. He also went on to say it answers a question that's been dogging research into protein dynamics for decades.

"For a long time, scientists have been trying to figure out how water interacts with proteins. This is a fundamental problem that relates to protein structure, stability, dynamics, and—finally—function," said Zhong, who is the Robert Smith Professor of physics at Ohio State.

"We believe we now have strong direct evidence that on ultrafast time scales (picoseconds or trillionths of a second), water modulates protein fluctuations," he concluded.

Zhong, who is also a professor of chemistry and biochemistry, and his team used ultrafast laser pulses to take snapshots of water molecules moving around a DNA polymerase, the kind of protein that helps DNA reproduce.

The key to getting a good view of the interaction was to precisely locate optical probes on the protein surface, he said. The

researchers inserted molecules of the amino acid tryptophan into the protein as a probe and measured how water moved around it.

Water molecules typically flow around each other at picosecond speeds, while proteins fold at nanosecond speeds—1,000 times slower. Previously, Zhong's group demonstrated that water molecules slow down when they encounter a protein. However, remember, water molecules are still moving 100 times faster than a protein when they connect with it.

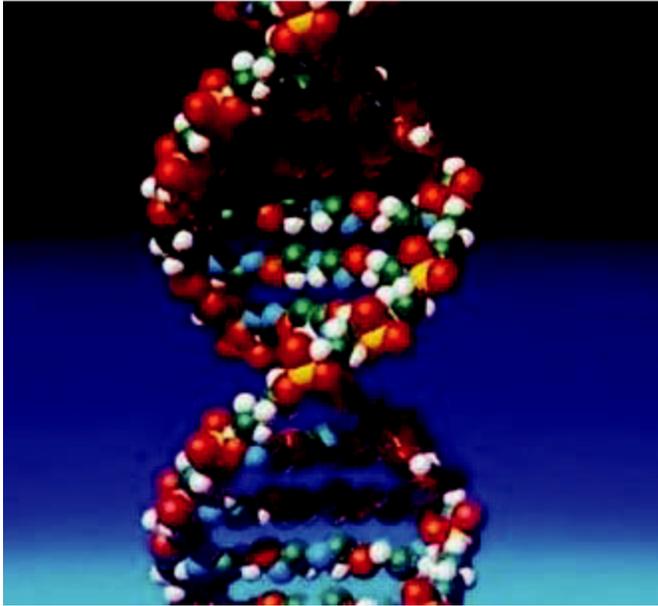
In the new study, the researchers were able to determine that the water molecules directly touched the protein's "side chains," the portions of the protein molecule that bind and unbind with each other to enable folding and function. The researchers were also able to note the timing of movement in the molecules.

But they didn't stop there! Computer simulations at the Ohio Supercomputer Center (OSC) helped the researchers visualize what was going on: why the water moved a certain way and how the protein folded nanoseconds later, as if the water molecules were nudging the protein into shape.

Now, to be clear, water can't arbitrarily shape a protein, Zhong explained. Proteins can only fold and unfold in a few different ways depending on the amino acids they're made of.

"Here we've shown that the final shape of a protein depends on two things: water and the amino acids themselves. We can now say that, on ultrafast time scales, the protein surface fluctuations

are controlled by water fluctuations. Water molecules work together like a big network to drive the movement of proteins."



So, what did we learn? What these researchers and others had determined was that water can absorb, retain, and also transmit biological information from one source to another by using electromagnetic frequencies. Their results confirm earlier ongoing research started in 1951, by Dr. Piccardi of Italy, verifying water's extreme receptivity to subtle energy influences.

Ultimately, these amazing scientific discoveries prove that water functions as a universal communication system with the ability to receive, retain, and transmit vital life -sustaining information and energy to all living systems on earth.

So, our take-home message is as the world's scientific community begins to appreciate the positive impact of this historic research, our science books will need to be completely rewritten.

Additionally, with an expanded awareness of the awe inspiring and mysterious role that water plays in the invisible and visible realms of all life, new and more effective ways of looking at the role of water in our everyday lives will begin to emerge and take hold, while still substantially benefiting us all.

The Science Behind Our Technologies

Let's take a little stroll down "science lane," shall we? Modern water treatment technologies only address the material properties of water while disregarding the energetic properties. What does this mean? Without correcting and enhancing the electromagnetic frequencies of the water, the health, vitality, and productivity of the water are compromised for all - animals, plants, people, and the environment.

Crystal Blue Water Structuring Units are natural energy generators that correct the corrupt electromagnetic frequencies and enhance natural electromagnetic frequencies. Their technology employs an innovative application and advanced understanding of the vortex phenomenon utilizing the dynamic characteristic of water itself to create a unit that works at the molecular and electromagnetic level. To put it simply, this unit alters the molecular structure of the water, which activates it and allows it to absorb healthful frequencies.

So, why choose Crystal Blue? Our Crystal Blue Structured Water Devices create soft water without removing the life-enhancing minerals like calcium and magnesium from the water. Crystal Blue uses rare earth minerals and quartz compression to produce radiant energy frequencies that effectively reduce the surface tension and cluster size of water. This accelerates our water's ability to hydrate plant and animal tissues, penetrate soils, and conserve water sources.

Unlike other water structuring devices made of plastic, PVC, harsh chemicals, radioactive materials, and toxic glues, all of Crystal Blue's water structuring units are computer machined, individually hand-crafted precision instruments. They are made of the finest food-grade NSF, ANSI, and national and international plumbing code-compliant materials such as surgical grade stainless steel, pure copper, and precision ground pure silica glass spheres along with our proprietary mineral mix. They are also tuned to the 432 Hz healing frequency. With Crystal Blue, you get the best products with the best guarantees for the absolute best prices. Doesn't get much better than that, right? Also, all the Crystal Blue Water Structuring units are filter-free, chemical-free, salt-free, hassle-free, and built to last for generations.

These advanced devices are the result of years of hard work on the part of dedicated scientists, engineers, and Crystal Blue's core team of researchers, who are all together responsible for the units' unmatched design, engineering, and performance. The Crystal Blue units have been proven, in ongoing university-backed laboratory studies and consumer testing, to be far more effective than any other water structuring devices yet developed.

Want more good news? Crystal Blue Water Structuring Units are available in sizes to fit in-line piping from 1/2" to 12," making them equally effective for home, apartment, commercial, greenhouse, livestock, or agricultural use. They've also designed smaller devices, such as hand-held portable units that can travel with you, in addition to sink and shower units.

*Crystal Blue Water Structuring Units - the world's most advanced,
well-engineered and effective solution for structuring water*

All of our in-line units are computer-machined, individually hand-crafted, precision instruments made of the finest food-grade NSF, ANSI and national & international plumbing code-compliant materials such as:

* Surgical Grade Stainless Steel * Pure Copper * Precision Ground Glass

Add the genius of incorporating the 432 Hertz frequency into all of our units and the science of water enhancement has now been raised to a level never seen before.

These advanced devices are the result of years of hard work on the part of dedicated scientists, engineers and Crystal Blue's core team of researchers who are together responsible for our units unmatched design, engineering and performance. Our units have been proven in ongoing university-backed laboratory studies and consumer testing to be far more effective than any other water structuring devices yet developed.

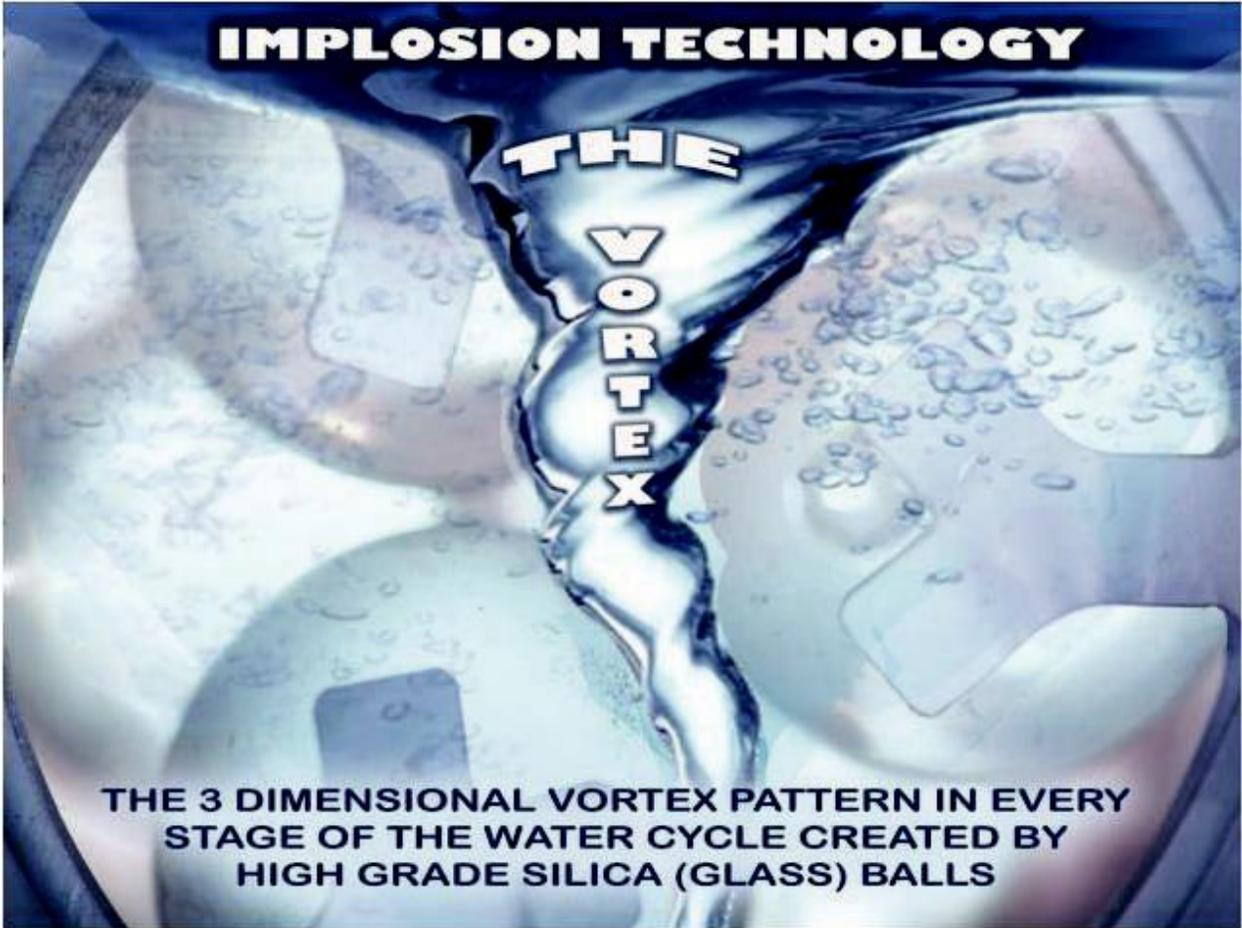
Crystal Blue Water Structuring Units are available in sizes to fit in piping from 1/2" to 10" thus equally effective for home, apartment, greenhouse, livestock and agricultural use. Our technology makes excellent water available for any type of application.

9) The Vortex

IMPLOSION TECHNOLOGY

THE VORTEX

**THE 3 DIMENSIONAL VORTEX PATTERN IN EVERY
STAGE OF THE WATER CYCLE CREATED BY
HIGH GRADE SILICA (GLASS) BALLS**



As mentioned previously, the Crystal Blue Water Structuring Unit's unique design accomplishes one of nature's greatest miracles of regeneration and renewal by mimicking the natural spiraling motions and hydrologic cycles of water, creating a measurable increase in water's ability to hydrate and nourish plant and animal tissues, penetrate soils, and conserve water. This allows people, plants, and animals to grow better and healthier. Users also report that their water feels naturally “soft,” especially in their showers, baths, hot tubs, and pools, all without the need for harsh chemicals or salts.

So, where did this unique design come from? The basic design incorporated into all our Crystal Blue Water Structuring

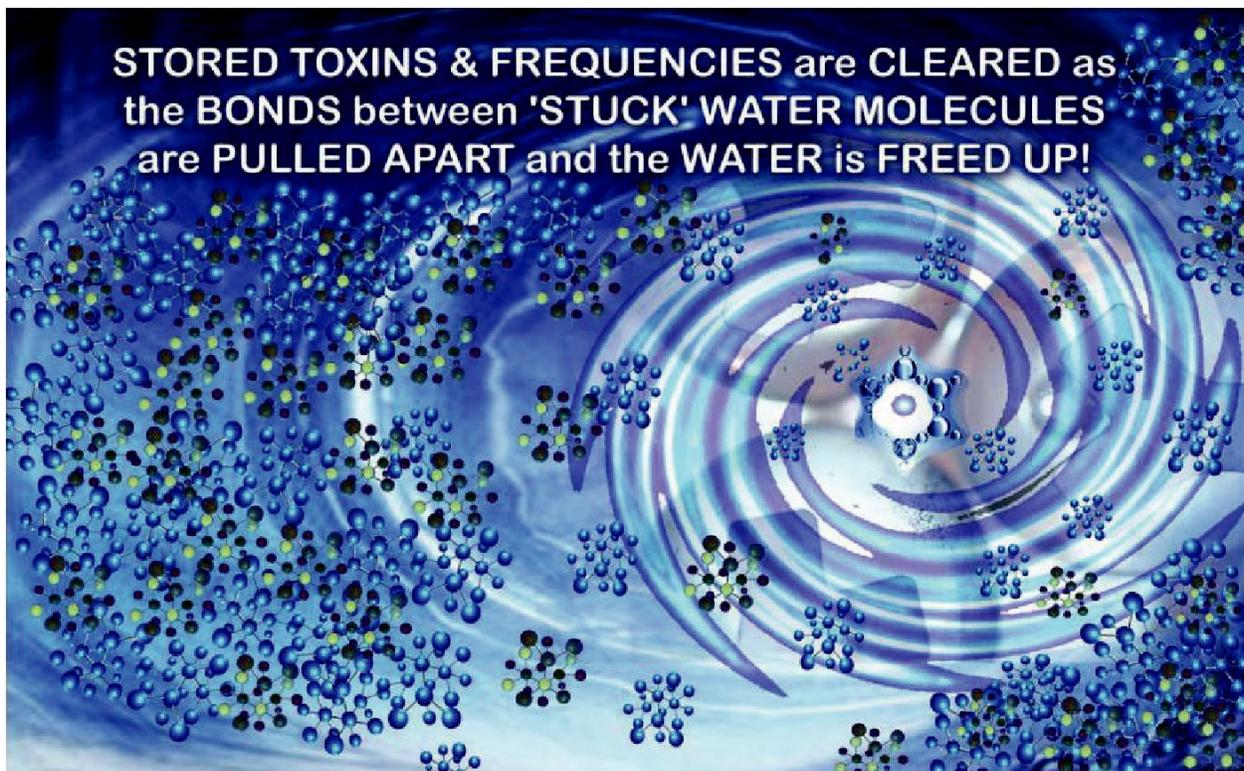
Units was inspired by the science of implosion technology that was first developed by the great Austrian naturalist, Viktor Schauberger, based on his observations of water flowing in mountain streams. He realized that the flow dynamics of water followed a three-dimensional vortex pattern – a pattern that occurs at every stage of the hydrologic cycle.

The process of optimizing water begins by passing the water through a collection of perfectly arrayed precision ground glass spheres arranged in a meticulously configured geometric pattern known as the "*flow form*."



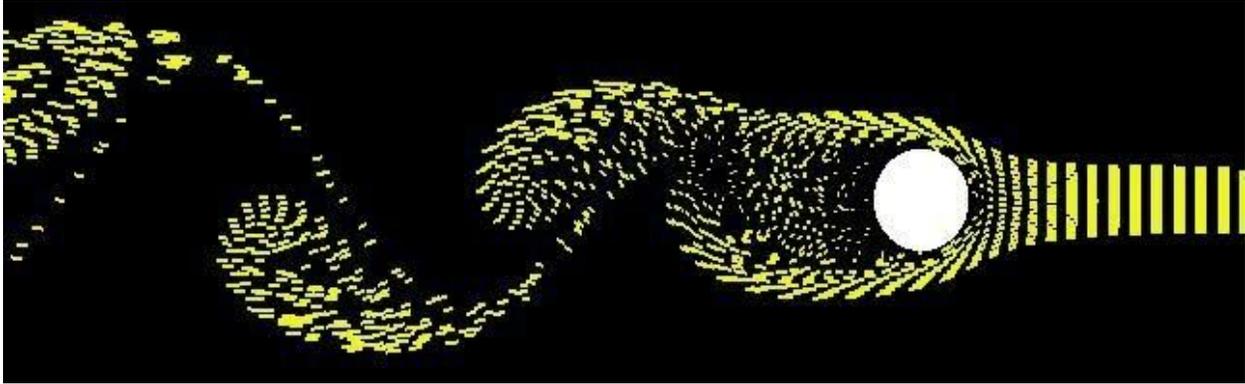
These forces, which are created by the internal action of the Crystal Blue flow form, cause the molecular bonds to stretch apart, just like the aforementioned metaphor of the spring.

It is our theory that the "memory" or "information" the water has collected and stored is contained inside the molecular bonds of the water itself and then released when those bonds become stretched due to the rotational motion of the vortex as demonstrated in the following depiction.



Need more visuals? No problem. Below is a two-dimensional visual representation of the water flow dynamics occurring within our water structuring units. Instead of one sphere as depicted here, we have multiple columns of spheres which result in multiple toroidal vortexes within the unit. This creates a more natural and effective structuring as opposed to another company's product which brags about simply spinning the water in only one direction

within a strong magnetic field. You can read more about the actual effects of magnetic fields on water and of their PROPER application in structuring water in this section and again in Section 13.



Now, here is an interesting video about the vortex that I thought you might enjoy.

Water Does Remember

Yep, I said it! You may recall earlier that we spoke about the work of numerous researchers proving that water has "memory." You may also remember our discussion about the bonds of water molecules being like springs. When water spins, it's placed under a tremendous torsional load as a result of the centrifugal forces being generated, which can be considerable.

Did you know that the spiraling motion of the vortex has been discovered to be the foundational basis for all life? Examples of this can be seen in the electromagnetic fields generated by the

human heart, in the basic shape of a tree, and even in the geometric structure of the universe itself. It's fascinating!

For a great explanation of this phenomenon, please watch the first 2 minutes and 22 seconds of the following video. Just so you

know, this video also helps to explain the ubiquitous nature of electromagnetism throughout the universe (which is further explained in greater detail later in this article).

The vortex is the mainstay of what is referred to as implosion technology, and the toroidal vortex in particular is considered to be one of the main mechanisms responsible for imbuing water with its critical ecological functions of renewal and life support.

Vortices are the energy transformers and energy accumulators in nature, and opposing vortices (such as those found in the Crystal Blue Water Structuring Units) are what nature most often uses to create healthy water. A vortex can increase the vibrational state of any electromagnetic frequency, and it can restore the natural energy patterns to a corrupted entity. Vortex flow technology provides the ability to remediate all forms of pollution in water by transforming the electromagnetic frequencies of the water back to their healthy state.

So, let's get to the benefits! When water flows in a multi-toroidal vortex pattern, many interrelated benefits begin to occur. I say "begin to occur" because unlike several false claims being made by other companies, vortexing is not the "end all" to the proper structuring of water, but one of many interrelated "pieces of the puzzle" that are described in more detail in the following sections.

Vortexing causes the following to begin to occur:

- Disorganized water molecules become organized

- Ordered molecular patterns are created from chaos

- Corrupted electromagnetic frequencies are transformed

Beneficial electromagnetic frequencies and environmental information are accumulated

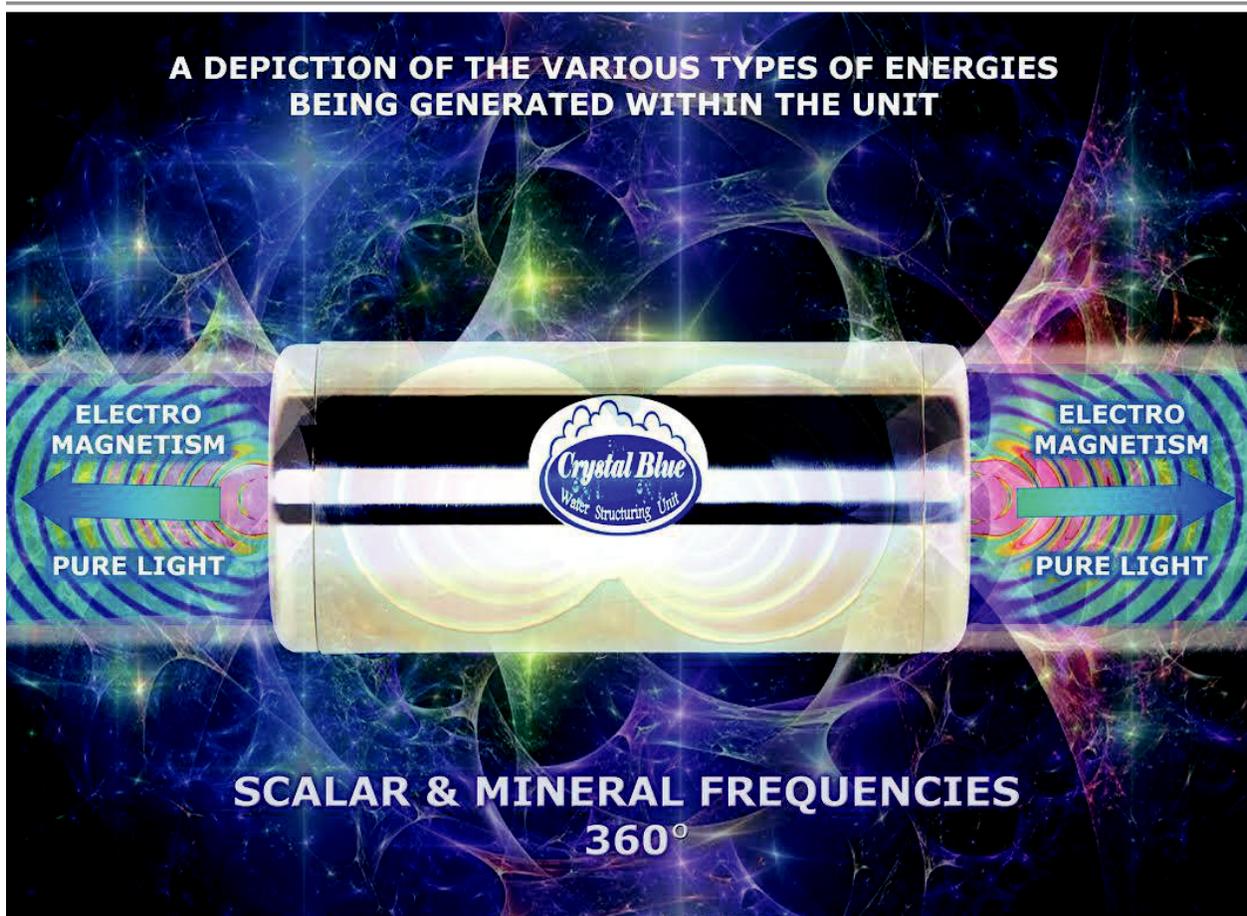
But wait! Before you go any further, I'm going to insist that you watch the next very important video to help introduce you to the man who really began all this vital research.

P.S. This video presents many current worldwide attempts to create technologies which enhance the effectiveness and structure of water. And spoiler alert - we're way ahead of them all!



Ok, so now that you've had a little fun video break, I'd like to take a few minutes to discuss something that has been bothering me for some time - and that is the number of companies now claiming they can properly structure water without vortexing it. What, you ask? How is that possible? In fact, there are now numerous companies that are simply sealing water in containers and passing unstructured water over them with the (unfounded) claim that the unstructured water is magically elevated to the highest state of structuring possible. Now, just so you know, there are many degrees of structuring water depending on how closely the methods used to structure it emulate the natural Hydrologic Cycle of water (as explained under Section 2 of this article). But obviously, vortexing is certainly high on the list!

Indeed, one company (who shall remain nameless) is selling such a unit for \$2400.00 USD! This is almost twice as much as our premium All Purpose Unit that accomplishes not one, two, or even three of the natural actions of the Hydrologic Cycle, but all twelve of them! Now that you're becoming more educated on the topic, it's hard to believe, right? This is where, as consumers, we must be careful and mindful.



10) Piezoelectricity



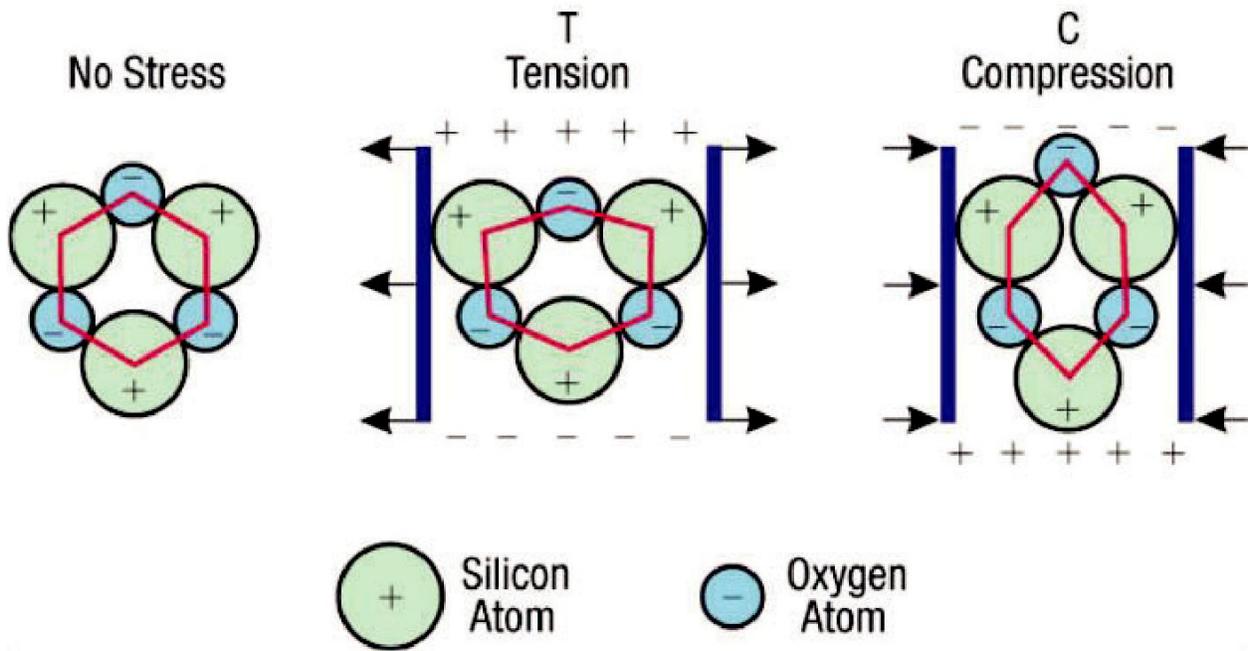
All of the Blue Water Structuring Units produce a natural phenomenon known as piezoelectricity in much the same way that a piece of silica crystal will generate electricity when squeezed in your hand or within the deepest crevice of the earth itself.

So how do they do this? Simple really...

Whenever a crystalline substance such as tourmaline or quartz is compressed, a voltage is produced on the surface of the crystal along a specific axis. Normally, the charges in a piezoelectric crystal are exactly balanced even if they're not symmetrically arranged. The effects of the charges cancel each other out, leaving no net charge on the crystal faces. Perfect! But if you squeeze the crystal hard or long enough, you force the charges out of balance. Now, the effects of the charges (their dipole moments) no longer cancel one another out, and net positive and negative charges appear on opposite crystal faces. **By squeezing the crystal,**

you've produced a voltage across its opposite faces - and that is piezoelectricity!

Piezoelectric Effect in Quartz



How Piezoelectricity is used by Crystal Blue

At Crystal Blue, we love using what nature gives us! The mineral mix that completely surrounds the inner core of our unit is compressed with considerable amounts of pressure being exerted on the crystalline material. This can only be accomplished because of the strength, thickness, and quality of the surgical grade stainless steel and pure copper inner tubes we use in every unit.

But we don't stop there! In addition, in order to more effectively conduct the piezoelectricity to the water, we have inserted a pure

copper rod down the middle of the sphere stack which serves as an electrical attractant (sort of like how a lightning rod will attract a bolt of lightning), drawing the electrical and scalar energies and mineral frequencies being produced within the compressed mineral mix directly into the center of the inner copper chamber of the unit where the water is flowing. This feature further serves to charge the water with an abundance of natural energy that no other water structuring technology can match.

So, let's jump back into the intricate function and design of the device's interior itself. Tightly packed within the walls of every Crystal Blue Water Structuring Unit is our proprietary blend of various crystals (*hence the name "Crystal" Blue*), which includes selected rare earth and infrared generating minerals and powdered Shungite.



Note: The mineral mix shown above is one of several different recipes that we use depending on the exact application. We also must take into account various international import/export laws which may require modifications in the amount and type of ingredients used. But rest assured that all our mixes provide superior results when compared to any other company around!

(((some of whom are now trying their best to convince you that their products and rudimentary mineral mixes are equal to or better than Crystal Blue's perfect blends with slick marketing

terms such as "Dynamically Enhanced" or "Biophotonic Energy Resonance Systems".))))

So, what's our secret? Well, the two most important substances contained within our proprietary Mineral Mix that are unique to Crystal Blue alone are:

1. A highly prized and very rare paramagnetic and semi-conductive substance that we affectionately call "Power Rock.™" However, our "Power Rock™" **IS NOT** the simple iron magnetite now being marketed by other companies as **the** answer to structuring water (We promise!). You can read more about "Power Rock™" in Section 16 below; and
2. What are known as orbitally rearranged and naturally occurring monatomic minerals (ORME's). The ORME's are produced exclusively for Crystal Blue's use under a proprietary and very sophisticated manufacturing process. You can read more about this amazing material and its profound effect on all living tissue in Section 12.



***Note:** And just so you know, there is one other ingredient that I have not told anyone about (Shhhhhhhh)! Although, I have told some that it's my wife's chicken soup to throw them off the trail.*

Funny thing is that they actually believed me! But don't worry, it, too, is a completely safe, all natural and completely necessary mineral source for health and vitality. I discovered it by pure accident! But it seems to act in perfect harmony with the Iridium, other ORME's, and Power Rock to further catalyze the entire energetic reaction. It's a match made in heaven!

Continuing on...

So, let's go with the basics. As we all know, pressure creates heat. In this case, the pressure being exerted on the crystalline-mineral mix causes a very slight amount of heat to be generated within the atoms of the crystals themselves.

Without describing the complexities of how the heat is being generated, the excitation of the electrons causes them to move into a higher orbit further away from the nucleus. Remember "stretching the spring?"

If so, it's then easy to imagine how much energy is required to move the electrons out of their normal orbits. And if the heat (*or energy*) applied is great enough, some of the electrons develop enough energy to simply break away from the atoms altogether. This stream of free electrons is what we all know as "electricity," which is directly used for the growth and repair of the cell.

However, if the energy is not great enough to completely dislodge the electrons from their orbits and cast them off as free electricity, but instead only temporarily raises them to a "higher energy state," then the electrons will eventually return to their original,

or lower energy state. This condition is much like when the stretched spring snaps back together, thereby releasing all its pent-up energy. Only in this case, the energy is released not as the familiar sound and motion of the spring, but as pure light, which can also be directly used for the good of the cell (*more about that is discussed in the section entitled "Visible and Infrared Light", which follows after the explanation on "Power Rock™" further on*).

But for now, it's break time! Sit back and enjoy this incredible video presentation speech given by Dr. Gerald Pollack, one of the world's most acknowledged experts in the study of electricity's effects on structuring water.



And Yes, you NEED to know this too! There is another feature of Structured Water that I have not yet spoken about. I know, I know, I have a lot of secrets to share with you!

To test whether the water being viewed is properly structured, all one must do is measure how much of the ultraviolet spectrum of

light in the 270 nanometer range the water will absorb. The more light absorbed, the more highly structured or organized the water is. Our preliminary tests (which we fully expect to be confirmed shortly by various reputable testing laboratories around the world) show that our newest generation of Crystal Blue units

are producing the highest amount of structured water seen to date. And our waters are carrying far more *beneficial* energies and information. How's that for some good news?

11) "The Ultimate Element"

Recognize this? Please take a few minutes to look over the Periodic Table shown below while paying particular attention to the element Iridium, which is part of a larger family of elements known as "The Transition Elements."

THE PERIODIC TABLE OF THE ELEMENTS

1 IA 1A																	18 VIIIA 8A		
1 H Hydrogen 1.008			2 IIA 2A											13 IIIA 3A	14 IVA 4A	15 VA 5A	16 VIA 6A	17 VIIA 7A	2 He Helium 4.003
3 Li Lithium 6.941	4 Be Beryllium 9.012											5 B Boron 10.811	6 C Carbon 12.011	7 N Nitrogen 14.007	8 O Oxygen 15.999	9 F Fluorine 18.998	10 Ne Neon 20.180		
11 Na Sodium 22.990	12 Mg Magnesium 24.305	3 IIIB 3B	4 IVB 4B	5 VB 5B	6 VIB 6B	7 VIIB 7B	8 VIII 8	9 VIII 8	10 VIII 8	11 IB 1B	12 IIB 2B	13 Al Aluminum 26.982	14 Si Silicon 28.086	15 P Phosphorus 30.974	16 S Sulfur 32.066	17 Cl Chlorine 35.453	18 Ar Argon 39.948		
19 K Potassium 39.098	20 Ca Calcium 40.078	21 Sc Scandium 44.956	22 Ti Titanium 47.88	23 V Vanadium 50.942	24 Cr Chromium 51.996	25 Mn Manganese 54.938	26 Fe Iron 55.833	27 Co Cobalt 58.933	28 Ni Nickel 58.693	29 Cu Copper 63.546	30 Zn Zinc 65.39	31 Ga Gallium 69.723	32 Ge Germanium 72.61	33 As Arsenic 74.922	34 Se Selenium 78.972	35 Br Bromine 79.904	36 Kr Krypton 83.80		
37 Rb Rubidium 85.468	38 Sr Strontium 87.62	39 Y Yttrium 88.906	40 Zr Zirconium 91.224	41 Nb Niobium 92.906	42 Mo Molybdenum 95.95	43 Tc Technetium 98.907	44 Ru Ruthenium 101.07	45 Rh Rhodium 102.906	46 Pd Palladium 106.42	47 Ag Silver 107.868	48 Cd Cadmium 112.411	49 In Indium 114.818	50 Sn Tin 118.71	51 Sb Antimony 121.760	52 Te Tellurium 127.6	53 I Iodine 126.904	54 Xe Xenon 131.29		
55 Cs Cesium 132.905	56 Ba Barium 137.327	57-71 Lanthanide Series	72 Hf Hafnium 178.49	73 Ta Tantalum 180.948	74 W Tungsten 183.85	75 Re Rhenium 186.207	76 Os Osmium 190.23	77 Ir Iridium 192.22	78 Pt Platinum 195.08	79 Au Gold 196.967	80 Hg Mercury 200.59	81 Tl Thallium 204.383	82 Pb Lead 207.2	83 Bi Bismuth 208.980	84 Po Polonium (209)	85 At Astatine (209)	86 Rn Radon 222.018		
87 Fr Francium 223.019	88 Ra Radium 226.025	89-103 Actinide Series	104 Rf Rutherfordium (261)	105 Db Dubnium (262)	106 Sg Seaborgium (266)	107 Bh Bohrium (264)	108 Hs Hassium (269)	109 Mt Meitnerium (268)	110 Ds Darmstadtium (289)	111 Rg Roentgenium (272)	112 Cn Copernicium (277)	113 Uut Ununtrium unknown	114 Fl Flerovium (289)	115 Uup Ununpentium unknown	116 Lv Livermorium (293)	117 Uus Ununseptium unknown	118 Uuo Ununoctium unknown		
		57 La Lanthanum 138.906	58 Ce Cerium 140.125	59 Pr Praseodymium 140.908	60 Nd Neodymium 144.24	61 Pm Promethium 144.913	62 Sm Samarium 150.36	63 Eu Europium 151.966	64 Gd Gadolinium 157.25	65 Tb Terbium 158.925	66 Dy Dysprosium 162.50	67 Ho Holmium 164.930	68 Er Erbium 167.26	69 Tm Thulium 168.934	70 Yb Ytterbium 173.04	71 Lu Lutetium 174.967			
		89 Ac Actinium 227.038	90 Th Thorium 232.038	91 Pa Protactinium 231.036	92 U Uranium 238.029	93 Np Neptunium 237.048	94 Pu Plutonium 244.064	95 Am Americium 243.061	96 Cm Curium 247.070	97 Bk Berkelium 247.070	98 Cf Californium 251.080	99 Es Einsteinium 252.083	100 Fm Fermium 257.105	101 Md Mendelevium 258.10	102 No Nobelium 259.10	103 Lr Lawrencium 262			
		Alkali Metal	Alkaline Earth	Transition Metal	Basic Metal	Semimetal	Nonmetal	Halogen	Noble Gas	Lanthanide	Actinide								

Now, I'm going to tell you a story that you may first think is a modern-day fairy tale. To academia, it may even bring scornful mockery because it flies in the face of what many western educated scientists still hold as sacred. Now, I say that only because it's a story that western science has already proven to be 100% accurate, as you will soon see, even if they refuse to acknowledge it in spite of the overwhelming body of their own

evidence to the contrary. Perhaps the philosopher/scientist Claude Bernard said it best, "When one is confronted with a fact which is in direct opposition with a prevalent theory, one must accept the fact and abandon the theory, even though the latter, supported by great men, may be generally subscribed to." In short, truth is always first scorned and ridiculed and then only much later accepted as being "self-evident."

So, ready for the story?

Research conducted by the United States government at the Biochemistry Laboratory at the US Naval Air Development Facility found that each one of our body's 70 trillion cells is always in direct and constant communication with every other cell via an elaborate electromagnetic "superconductor field" or pathway. They identified a unique substance, an atomic element, which they proved to be the basis for this cellular communication.

In healthy, happy people, this element was readily seen in abundance. But in sick, diseased, depressed, or highly stressed individuals, this element was scarce or in some cases even non-existent. So, the element was isolated, concentrated, analyzed, and eventually found to be a silvery -white powdery element exhibiting what is known as "transition molecular chemistry." Its chemistry is very similar to Iridium, which is found in the middle of the Periodic Table at position 77. So, they called this white powdery substance "Element X" or "Element 2674" or "Iridium 2674." Clever, right?

The gentleman that developed the proprietary process for making Element X (and who is providing it exclusively to Crystal Blue for this purpose) rather affectionately calls his mineral child "The Ultimate Element" and for good reason. It has more recently been

identified as belonging to a previously unknown class of elements now known as orbitally rearranged monatomic elements or "ORME" for short. What's amazing about these ORME's? The ORME's display characteristics which completely defy the laws of western science!

The great Russian scientist Sakarov declared in many of his writings that any substance which following transmutation (or the changing from one element to another) becomes stabilized and weighs less than 56% in relation to its original weight is a material that has successfully bent both space and time. In other words, such "Exotic Matter" is multidimensional and becomes the perfect cellular superconductor for all life on earth.

So, what does this mean? In its pure state and due to its incredibly fast "molecular spin," "Element X" does not respond in any way to the "laws" of the material universe, being virtually weightless [in relation to its physical mass in this dimension of space/time](#).

As opposed to the normal appearance of Iridium, which is a hard, silvery-white metal, Iridium 2674 takes the form of the aforementioned silvery-white powder that animates all the colors of the rainbow (which equates to all the colors of life). In fact, the name "Iridium" actually means "Rainbow."

So, without getting crazy and diving into all the theories of modern physics, let's look at the facts that are now proven:

1. The human body performs literally thousands of complex biological transmutations every second of every minute of every day (Research carried out by Dr. C. Louis Kervan, Research Fellow, New York Academy of Sciences, et

al.). In other words, primary mineral elemental crystals are biologically transmuted into a diverse array of chemicals, proteins, amino acids, and even other minerals as needed on the cellular level.

2. Elemental density and magnetic levels must be constantly available and consistent for this reaction to occur (Sakarov and Puthof).
3. Element X is the substance that has now been identified as being the material which governs all biological transmutations while also keeping DNA intact. It also acts like a conductor of a massive 10,000-piece orchestra who must keep all instruments in tune and in perfect harmony.
4. Element X also exhibits multidimensional characteristics - i.e., it defies both the commonly accepted laws of attraction and the corresponding time/space continuum. It is literally a "flux capacitor" (Puthof in his widely acclaimed scientific treatise entitled: "Gravity as a Zero Point-Fluctuation Force").
5. Any truly superconductive material performs its task via a single frequency of PURE LIGHT (Sakarov, Haisch, et, al.)

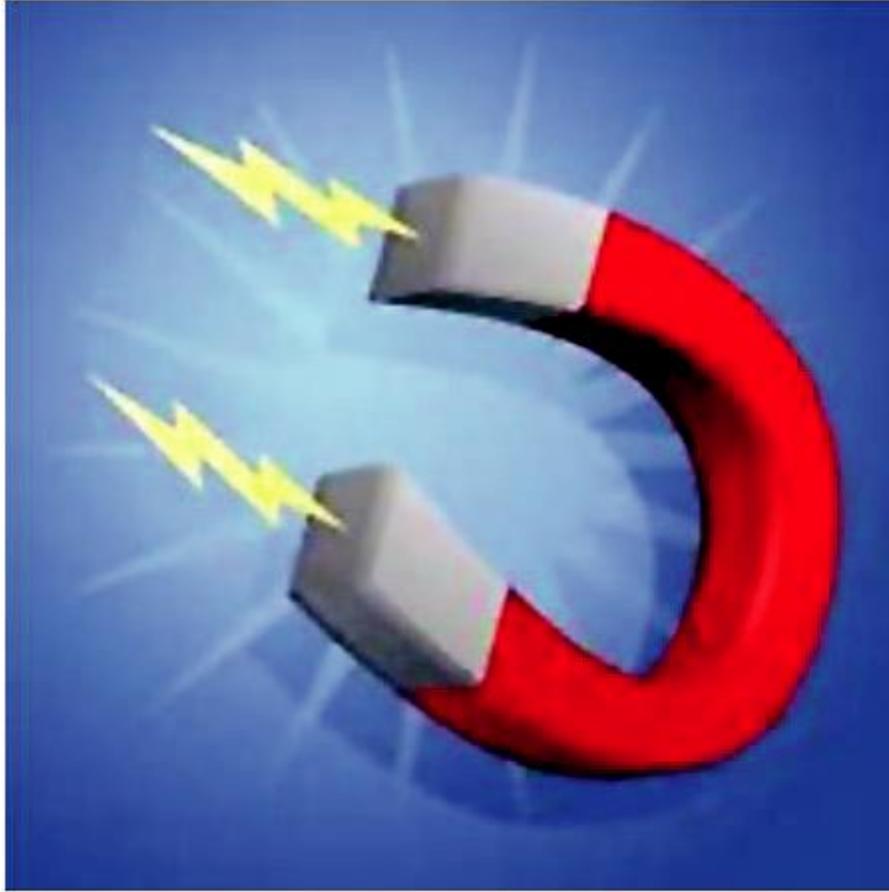
Now, let me share my opinion with you. Perhaps the most stunning of all studies conducted so far was the decade long research carried out by a major pharmaceutical company who, for the obvious reasons shown below, did not want their findings made public. It was at the time reported that researchers for the company administered a mysterious "silvery-white" powder to lab animals as well as to selected human subjects. The substance was only identified as being a "transition element" closely related to Iridium - yet slightly different. Can you guess what happened? The unpublished results were simply mind boggling. The powder

was shown to be anti-viral, anti-bacterial, and demonstrably anti-cancer. In short, it actually reverted many deadly disease states and did so by renewing the cellular DNA while also strengthening the overall immune system.

And the best part? The answer as to how Element X accomplishes so many miraculous effects is relatively simple. The damaged cell soon withers and dies, followed, in turn, by individual tissues and organs which eventually all leads to a catastrophic breakdown of the entire body. It doesn't take much imagination to figure out that any superconductive substance that emits the specific healing light frequencies to the cellular DNA will, over time, correct the damage - thereby allowing the cells, tissues, and organs to heal on their own.

Ok, so... why is all this important to our Crystal Blue Water Structuring Units? You'll soon learn the "how and why" in the following sections! Let's keep going!

12) Magnetic Fields and the "Lenz Effect"



As stated above, all the Crystal Blue Water Structuring Units and Biophosonic devices generate substantial piezoelectrical fields. Additionally, it is widely known that an electrical field, in turn, is always accompanied by a magnetic field. In other words, the two always go together - hence the term "electromagnetism." Makes sense, right?

It is also widely known that a vortex (mentioned earlier) also creates a magnetic field. As explained previously, all our water structuring units produce not just one but a multitude of mini vortexes.

It is also known in the fields of plant and animal biology and human physiology that all life forms on the earth rely on the weak

magnetic fields of the earth itself to remain healthy.

So, let's put this all together. Our observations show that our Crystal Blue devices produce the optimum amount of magnetic force (not too much, not too little) to sustain and enhance cellular growth and repair. The following video will give you a better understanding of the subject.



By the way, in an effort to try to "WOW" you with their "advanced technologies" or "enhanced" versions of their products, there are other companies out there now adding powerful artificial magnets or minor amounts of one or two mineral powders to their units in an effort to try to duplicate our process. But, guess what? They can't! I mean just think about it. Where in nature is water ever exposed to static (not pulsing like the earth's) magnetic field strengths on the order of 10 to 100 million times the earth's own magnetic field? Nowhere!

So, why are they doing this?

It's simple! Their units are not capable of producing their own naturally occurring healthy resonant frequencies and electromagnetic fields of optimal strength like our units do. So, other companies attempt to mimic our truly advanced

technologies using artificial means and methods that contribute little (if any) value to the water whatsoever. Luckily, we are the real deal!

13) Static Electrical Charges



It's inevitable! Give a kid a balloon, and eventually, he'll figure out how to make it stick to his head by rubbing it against his own *hair!*

The attractive force generated by rubbing the balloon is known as static electricity. And perhaps the most dramatic effect of static electricity can be seen in a lightning bolt.



When water passes through a magnetic field, it too develops a static electrical charge that is very similar to the child's balloon, or the lightning bolt. Again, as a reminder, electrical energy is simply the movement of free electrons through a conductive material such as silver, copper, air, or water.

As explained above, because our compressed mineral mix is completely surrounding the pure copper inner core of the unit where the water passes through, the water finds itself completely engulfed in the perfect balance of magnetic and paramagnetic charges and semiconductor materials. The water rushing through the unit simultaneously then gives rise to a static electrical field which in turn amplifies the aforementioned magnetic field that gave rise to the static electrical field in the first place!

Wait a minute! What did he just say?
Not to worry – I'll break it down!



CHLORINE & FLUORIDE:

Many people have asked us why our Crystal Blue Water Structuring Units reduce (or in some cases seem to even eliminate) the bad taste and apparent harmful effects of the chlorine and fluoride compounds in their drinking, shower, and bath water. First, please understand that the Crystal Blue Water Structuring Units are not water filters! No, no, no! Hence, they do

not directly remove these physical materials from your water because they were not designed for that purpose. That is not to say, however, that they don't address the problem from a different perspective.

So, let me break it down. Our Crystal Blue Water Structuring Units, more than any other water enhancement devices out there, serve to realign the actual molecular structure of the water by bringing the water back to the more energetic and healthy state that nature originally intended it to be. Remember, the process of removing the physical contaminants from the water through simple filtration does in no way remove, or even reduce, the harmful biological effects of the toxins even after they have been physically removed. Why? The reason for this is simple really and involves the now well -documented process of Frequency Transfer (briefly explained in this "Note" and then in greater detail under Section 16 of this article).

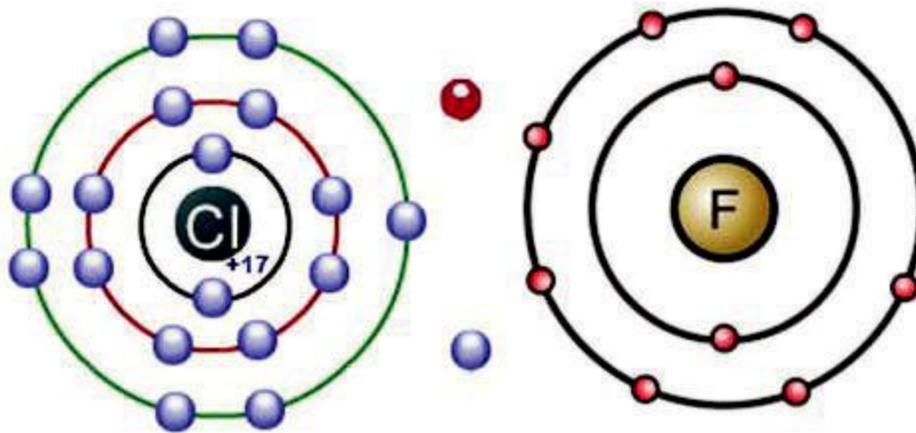
So, here's my take on it. For the scientifically sophisticated, please keep in mind this is only a simple explanation for the benefit of those who do not have a scientific background. Also, this is only my theory at this point, and new testing methods will be required to confirm. That being said, we are certain something positive is happening, as the water tastes and feels better and muscle, plant, and GDV testing is strongly supporting the personal observations of many people worldwide.

Now, chlorine and fluorine both belong to a family of substances known as the Halogens, which are all very chemically reactive. The reason they are so reactive is that they are electron deficient, meaning they are lacking an electron in their outer shell.

Any atom or molecule lacking an electron will want to steal one to complete its outer shell, whether from another atom or molecule. Such a substance is known as an "oxidant." The reason oxidants can be so damaging to living tissue is they steal electrons from the cell membranes and cell walls themselves, thereby causing the tissues to weaken.

As shown above, the Crystal Blue Water Structuring Units produce a large amount of direct-current piezoelectricity as well as static electrical charges. Electricity is nothing more than unattached electrons flowing through a conductor, such as metal, wire, or water.

So, here are my basic thoughts: The free electrons are readily available to fill those electron gaps, which in turn, satisfy the electron needs of the chlorine and fluorine making them far less reactive (or even completely non-reactive). Hence, they become far less oxidizing (damaging). To put it more simply, because the ravenous appetites of chlorine and fluoride compounds for free electrons are being satisfied with the excess electrons of the structured water, they stop attacking the cell walls and membranes. And there you have it!



Chlorine and Fluorine atoms with missing electron shells being filled.

A more in-depth explanation is that many of the well-known harmful effects of chlorine, fluoride, organic chemicals, and heavy metals (*which harmful effects have now been shown by GDV, Sprout, and Brix testing to be caused more by the toxic frequencies they leave behind in the water rather than their actual physical presence*) can be reduced or even eliminated altogether simply by:

1. *Supplying the extra electrons that many of the harmful chemicals need to satisfy their "hunger" for free electrons* - This changes their physical chemical configuration, hence their harmful characteristics. If this is true, it could then mean that the toxic effects of the chemical are being neutralized. A good example would be common sea salt - a necessary substance for the body. It's composed of two toxic elements (sodium and chlorine), but when combined together, they create a nutrient absolutely essential for life; and

2. *Releasing the toxic frequencies stored within the bonding*

sites of the water molecules and clusters themselves - With our use of pure, precision-ground, frequency-tuned glass spheres, the Crystal Blue Water Structuring Units appear to release the toxic frequencies stored within the water bonds due to the shearing effect of the substantial rotational forces being generated within the devices (remember "*stretching the spring*"). This effect, in turn, serves to reduce or eliminate the toxic effects of these harmful substances.

Got it? So, now with all that being said and again while we do not claim our Crystal Blue Water Structuring Units eliminate the chemical residues such as pesticides from the water, nor are we allowed by law to make any specific health claims about Structured Water (as other companies are now doing), we do know from plant, animal, and GDV testing that the harmful effects of drinking toxic water appear to be rendered biologically harmless to the living cell. The GDV, plant, and animal tests pictured throughout our website were all primarily done using water heavily laden with toxic agricultural and sanitizing chemicals.

3. *Raising the vital energy of the cell* - Another obvious contributing factor to the beneficial effect of Structured Water is that it dramatically raises the vital energy of the cell, thereby allowing the plant, animal, or person to function at a much higher (and overall healthier) energy level. This higher state of vitality will, in and of itself, enable the cell to withstand substantially more toxic stress without suffering from the debilitating consequences that an otherwise enervated cell would exhibit.

So, why the noticeable improvement in the taste and texture of

our Crystal Blue Structured Water, you ask? It appears that the molecular bonds binding the chlorine and fluoride compounds together are appreciably weakened during their journey through our unit. Hooray! This weakening then causes the bonds to begin to unravel, thereby allowing the chlorine and fluoride to be converted to gases which then easily dissipate into the atmosphere.

So...

If you've stayed with me this far, you are no doubt smart enough to realize you might be absorbing more chlorine in your shower than if you were to drink it, and you could possibly suffer even more harmful effects because of it. And you would be right!

To illustrate, here is a picture of an unfortunate young lady who waited just a little too long to purchase one of our Crystal Blue Water Structuring Units...



And here is another view of that same young lady showering with her new Crystal Blue Water Structuring Unit after just one week!



*Disclaimer, Disclaimer,
DISCLAIMER!!!!*



OK, ok, enough already! I admit I was kidding! For the record, showering in chlorinated tap water will most likely not reduce you to a bag of bones. Nor (for sure) will showering in Structured Water bring you back from the dead (haha). I only bring this up because I recently received a complaint from a distressed woman who tried soaking her dead cat in a bathtub full of Crystal Blue Structured Water overnight with the expectation of bringing it (the cat) back to life. Needless to say, she was more than just a

little disappointed to find out the next morning that her cat was still dead!

Huh?



Ok, enough jokes! Maybe it's time for an Intermission...

Ok, I'm back! Referring to the above explanation of how I believe the harmful effects of chlorine are being reduced or completely eliminated by our devices, let us stop for a moment and consider the physical characteristics of a liquid versus the same liquid existing in a gaseous or vaporized state, such as the steam being produced in your shower.

If you could actually see the individual molecules in the liquid (*Good luck if you can. You have better eyes than I do!*), you would see that in comparison to those same molecules in the vapor, the liquid molecules are congregated much closer together to one another, hence reducing the total surface area of the liquid. To put it simply, one gallon of liquid water when changed into steam would easily fill a whole room because the molecules would spread out that much. This is exactly what happens when you're in the shower.

So, because the vaporized chlorine molecules are randomly drifting farther apart from one another, they obviously have more exposed surface area, hence a greater opportunity to combine with the electrons made freely available by the device. See where I'm going with this? And because it's easier for the molecules and electrons to combine with one another, the chlorine gas in the

steam will be more easily neutralized than if it were in the more compressed(*meaning less accessible*) liquid state.

Again, I want you to understand what I just said is only a reflection of my current understanding of the nature of the incredibly dynamic and complex substance we all know as water. As such, I cannot say for sure I'm 100% right. But as of now, there is no better explanation.

Regardless, we do know our Structured Water is making a positive difference! We have countless reports of satisfied users letting us know their hair and skin feel cleaner and softer and the chlorine smell from the shower has either been reduced or eliminated altogether.

...And that's a WIN!

**14) Pure 24 Karat Gold + Crystal
Blue Stainless Steel Handheld and
Shower Units - A Beautiful Combination**



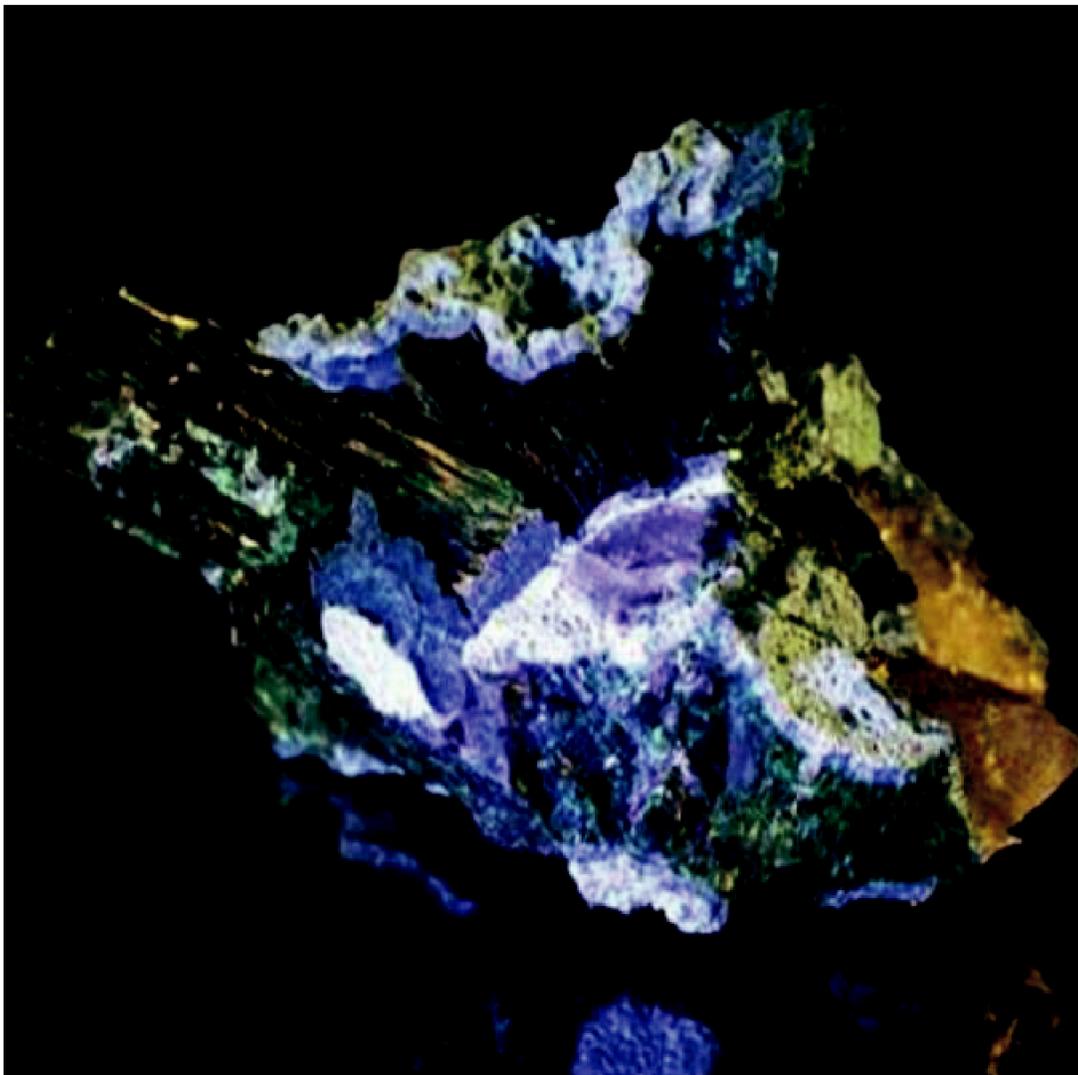
Who doesn't love gold? Most of us have an intrinsic appreciation for gold that goes beyond its obvious durability and beauty. And it turns out gold has a very definite, positive effect on water as well.

As many of you who have been reading this website may remember, this section was devoted to the topic of the beneficial effect of Graphene for its ability to protect the inner copper core on our Stainless Steel Handheld, Faucet, Under Sink, and Shower Water Structuring units from corrosion due to oxidation caused by repeated exposure to the air. We were using it with great success on our original prototypes. But I kept having this pestering thought to look more closely into electroplating our inner copper tubes with pure 24-karat gold instead, and I'm very glad I listened to my own advice! We tried it out, and boy, does it work! And works well - better than the Graphene for sure! So,

what could I do? Yes, it's **VERY** expensive, but we want only the very best for our units...and our customers!

So, and with all due consideration of the extra expense aside, I am proud to say we are officially **the GOLD STANDARD** in all the world when it comes to treating water the way it should be treated.

15) "Power Rock™"



Any discussion of why our Crystal Blue Water Structuring Units are better than the rest would not be complete without a

more in-depth explanation about the aforementioned "Power Rock.™" To say the least, it is a VERY unique material in that it is one of the two "engines that powers all of our Crystal Blue products by dramatically increasing their ability to enhance water and the entire environment in ways like no other products EVER can or will be able to do (the other "engine is the aforementioned and proprietary "Ultimate Element" that I just spoke about in Section 11).

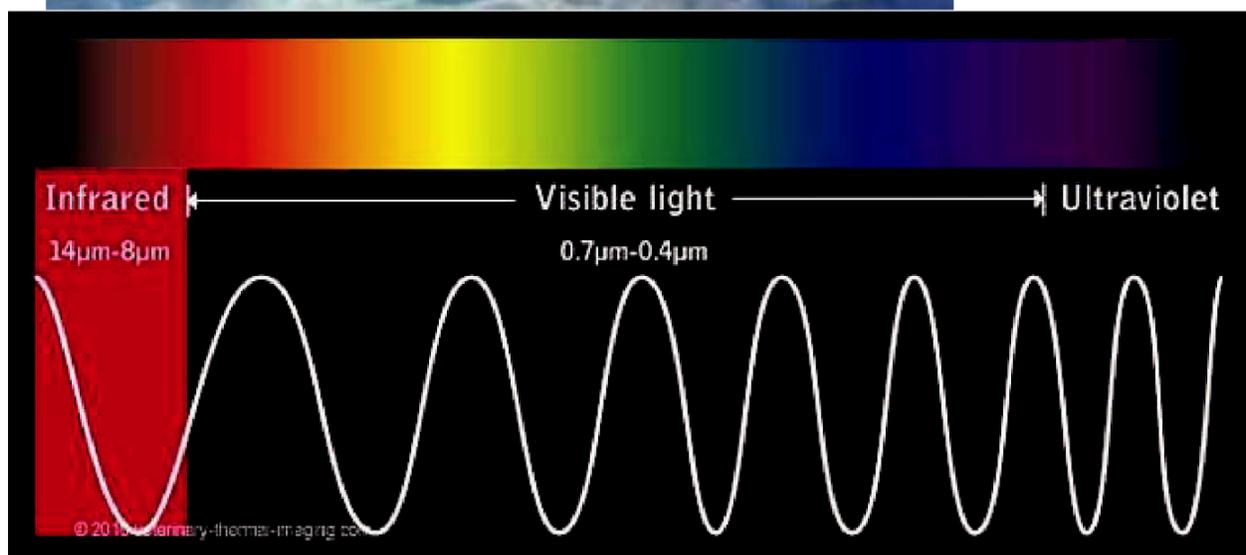
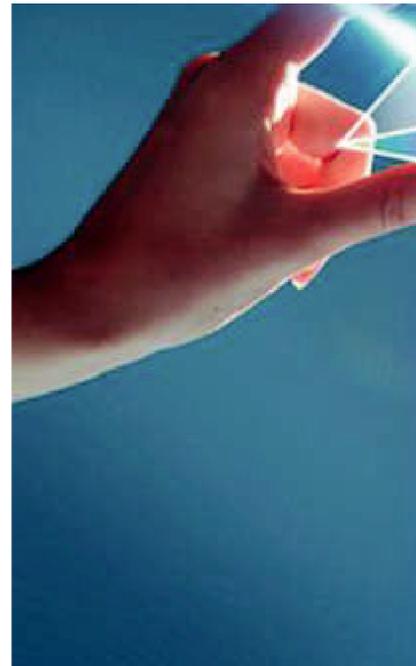
An independent mineral assay performed at a prestigious analytical laboratory in the North America, as well as our own research, confirms that our "Power Rock™" is one of the most elusive and unique mineral substances on the planet! It literally contains nearly all the naturally occurring mineral elements while also showing extraordinarily high amounts of precious and semi-precious minerals, crystals, paramagnetics, and semiconductors. It's truly unbelievable!

And because our "Power Rock™" contains such high levels of semiconductor elements, it is also able to conduct the substantial amount of energy being generated within the Crystal Blue Water Structuring Units directly into the water. No other company or product can make this claim!

In addition, our one-of-a-kind, amazing "Power Rock™" also exhibits extraordinarily high levels of broad-spectrum paramagnetic properties. More about the importance of paramagnetism's beneficial effect on water and living cells follows below in the section entitled "*Paramagnetism.*"

One more IMPORTANT thing: We've been assured by top geologists that we have the only available source of this precious rock in the entire world! And obviously, we haven't shared it with anyone else. So, if any other company makes this claim, you know we're the only ones with the true "Power Rock!™"

16) Visible and Infrared Light

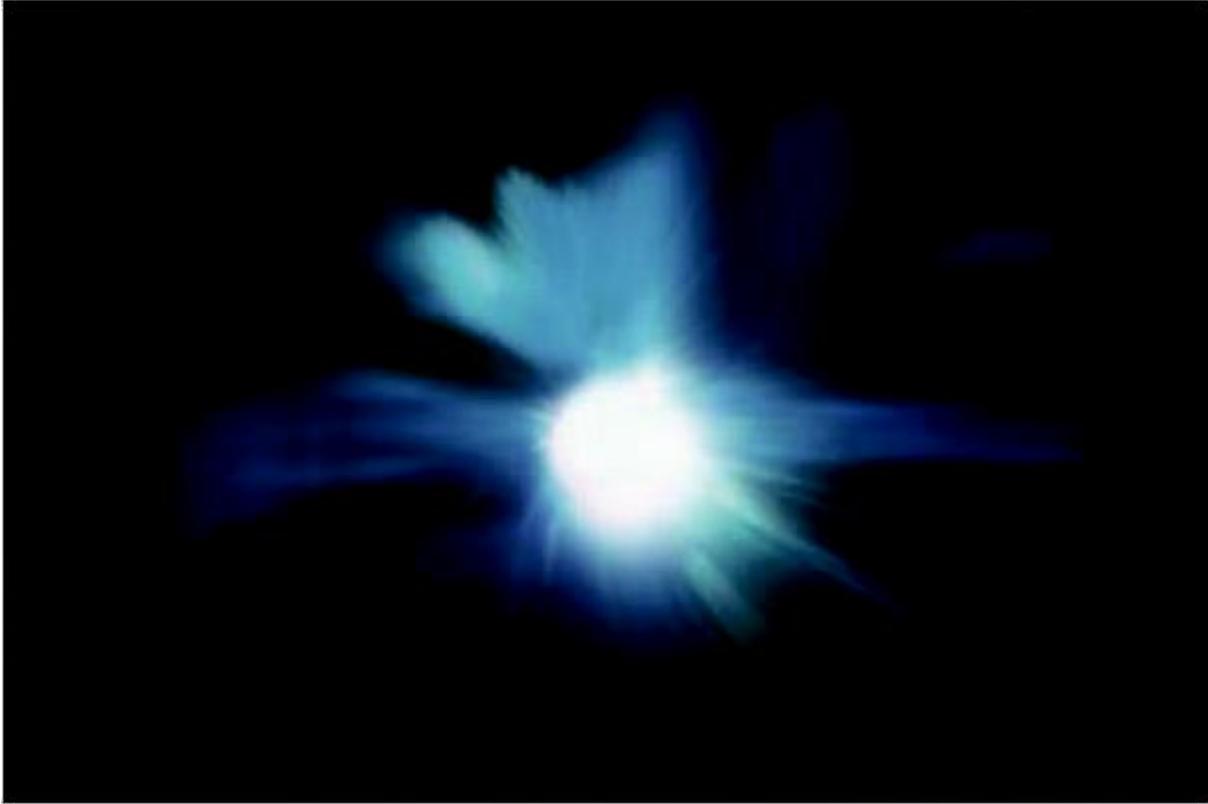


Now, let's talk about light! We know every plant, animal, and human cell requires natural light to live and grow. Plants obviously use light as the catalyst for the miracle we all know as photosynthesis, which allows the plant cell to manufacture food for not only itself but for all life on the earth.

Likewise, both people and animals also depend on light to live. Each one of our cells contains a multitude of unimaginably small light receptors that gather light in the form of "photons" which occur in both the infrared and visible light spectrums. Just think of a photon as a tiny bundle or package of pure light energy.

As I mentioned above (in the section entitled "*Piezoelectricity*"), some (but not all) of the energy being produced as a direct result of the enormous amount of pressure being exerted on the mineral mix contained within our units is converted into pure light, or "photons." Or to put it another way – converted into the "energy" of life itself...

Ready for a treat? The picture below is of an actual photon
filmed using a GDV camera.



Enlargement of a photon

For a really top-notch article about the importance of light and energy in producing healthy water (or "EZ Water" as Dr. Gerald Pollack calls it), please click the link below.

[DR MERCOLA INTERVIEWS DR POLLACK](#)

17) Absorption, Storage, and Conveyance
of Energy and Information



Another fundamental property of most crystalline substances, including both water and silica, is their ability to absorb, store, and then broadcast back into their environment of all the electromagnetic frequencies that carry both information and energy within their field of influence. Because of this, we have figured out a way to imbue the crystal spheres we use with the natural resonant frequencies (spoken of in more detail below and in another article entitled "Healthy Natural Frequencies," found under the menu heading entitled FREQUENCIES).

Frequency Transfer Explained

Each natural element of the Periodic Table contained within the Crystal Blue Water Structuring Units has a specific role to play in supporting and enhancing life processes. Each mineral, crystal, and sonic waveform encased within the pressurized wrap

that surrounds the vortex chamber of the water unit also plays a vital role in supporting the cell.

As water flows through our device, it is transformed into a more vibrant state ideally suited for absorbing the full array of healthy information contained within the mineral wrap encasing the inner core of the unit.

What is taking place within the unit is a literal wireless information download into the water as the water passes through the energized chamber. This download of information represents the transfer of light energy which emanates from the chamber into the water.

The information is the energy signature of each substance contained within the chamber, and each substance has a particular frequency which represents its function. And can you believe that this amazing process takes place without the water ever actually coming into physical contact with the mineral wrap itself? Amazing!

The phenomena of frequency transfer is the natural means by which all matter in its various forms receives, stores, and transmits information which travels from one source to another via electromagnetic waves. These waves of energy can be measured to determine their frequency which indicates the source and type of information being transmitted.

This is the means by which cells are able to communicate with such speed and efficiency. It's a principle which has been proven, confirmed, and verified by renown scientists around the world.

Science reveals that cells are sustained, energized, and repaired via light energy which is carried into all life forms by food and water as well as via energy emanations from all forms of matter on, below, and above the earth.

So, what does all this mean? It means our Crystal Blue Water Structuring Units are harnessing light energy emanating from the pressurized (*turbo charged*) chamber, thus optimizing the volume, diversity, and quality of light energy. This light energy is being carried into plants, animals, soils, and people, resulting in increased productivity and health.

It's easy to see the Crystal Blue Water Structuring Unit is a significant improvement over all previous water enhancement units designed and built by Crystal Blue Enterprises... or anyone else for that matter!

We know the two primary forces that work upon water to structure it are motion and energy.

1. The Toroidal Vortex is a picture of perfect motion.
2. The EMF spectrum reveals the fullness of light which is energy.

We are truly proud that our devices harness both of these natural forces (*among the many others described in this article*) to create water that brings an abundance of health and vitality to plants, people, animals, and the environment.

18) Paramagnetic Fields



Did you know that like light, every cell in your body requires natural magnetic fields to function properly? This observation, and the majestic interplay of magnetic and paramagnetic energy (*explained below*), is supported by the following statement from Philip S. Callahan, PhD, in his book, *Paramagnetism: Rediscovering Nature's Secret of Growth (Acres USA)*:

"We may easily understand then that the paramagnetic forces of rock amplify not only ELF (*Extremely Low Frequency*) radio waves in the atmosphere generated by lightning, but also the photon waves generated in the infrared and visible control region of life. Life processes are not only electronic, like the nervous

system, but also very much photonic (*or light producing*) in nature. Life's communication system's messages are carried by photons, as are AT&T's communication signals."

Paramagnetic rock is a substance that, while not inherently magnetic in and of itself, becomes magnetized when in the presence of a magnetic field or substance.

Therefore, included in every Crystal Blue Water Structuring Unit and EC-1 Harmful Electromagnetic protection device is the aforementioned proprietary mineral mix containing a unique paramagnetic substance that we call "**Power Rock.™**" In addition to Dr. Callahan's observations above, the "**Power Rock™**" also has a profoundly unique and positive influence on water. When it is brought near water, the collective force from billions of individual paramagnetic rock particles generates a non-polar magnetic field that brings rapid molecular organization to water.

19) Scalar Fields

Whoa! What are scalar fields? Don't worry – let me break it down. Scalar fields are non-directional emanations of pure kinetic energy resulting from the collapsing Hertzian Wave Form reverberating within the multi-dimensional fabric of space/time.

Still lost? Ok, I admit it. I was just having some fun there. So, let's simplify.

First, let's picture a wave traveling across the ocean.



This is very similar to what energy would look like as it travels through space and time (*if we could see it*). It is called a Hertzian Wave. Still with me?

Now picture two giant waves on the ocean travelling one from the east and one from the west and colliding in the middle of the ocean. Question: What happens to those two waves? Do they create one bigger wave? If so, what direction would it be travelling in? Because we all know that for it to remain a wave, it would have to travel somewhere.

But the answer is NO! They would not create a bigger wave. Rather, the two waves would destroy one another.

But we also know that energy can neither be created or destroyed, but only transformed. So, where would all the energy of such a titanic collision go?



And the answer is - with the collapse of the Hertzian Wave form, the energy contained within the system will then move outward in a non-directional and multidimensional plane.

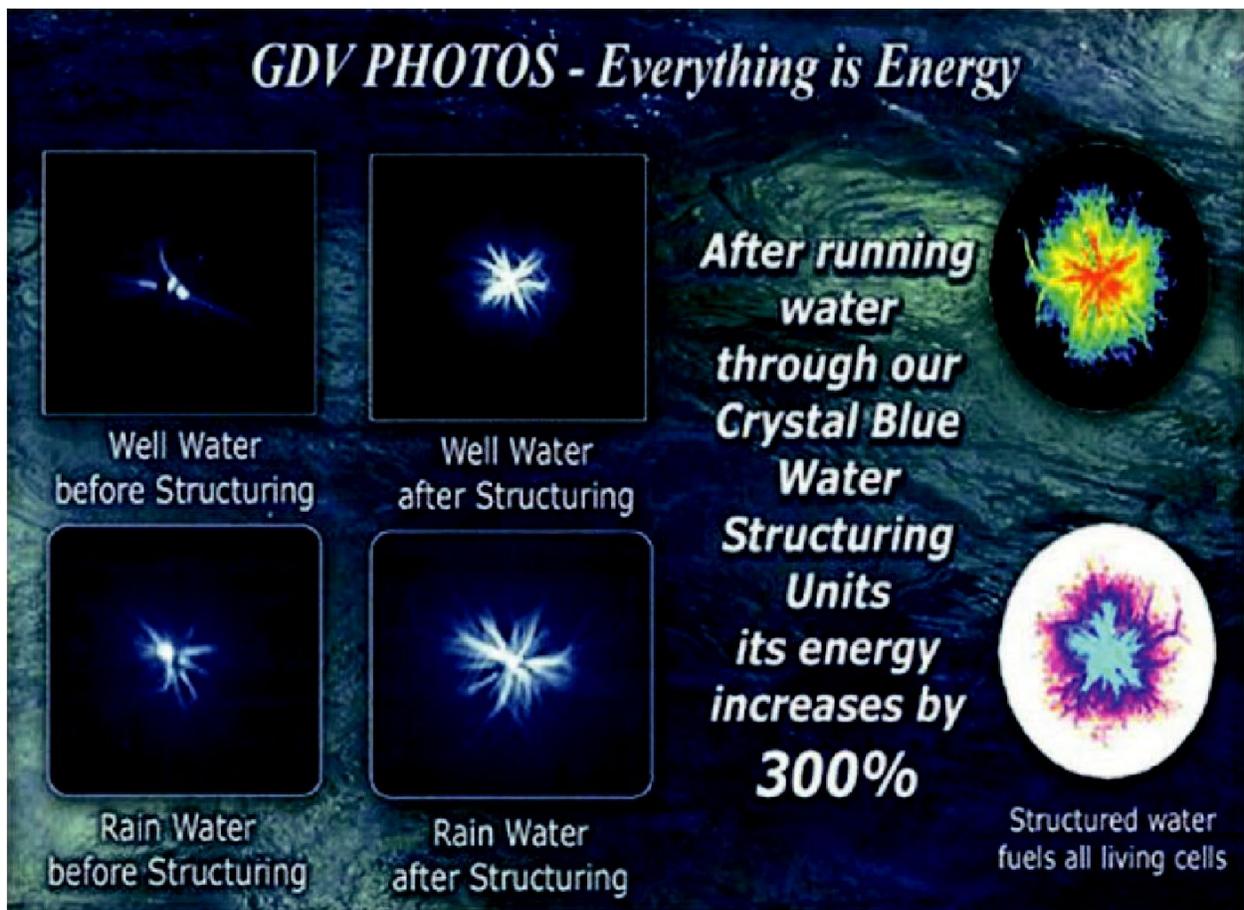
This energy is known as a scalar field. It was first theorized by James Maxwell over 130 years ago and thereafter confirmed by none other than the brilliant Nicola Tesla himself.

Scalar fields exist out of relative time and space. They do not radiate as waves but expand outward in circles of energy. Scalar energy does not decay over time or distance from its source. It is unbounded and capable of passing through solid matter. It also has the capacity to carry information and tremendous power.

And why do we need to know this?

This is what occurs within the Crystal Blue units when the subtle mineral and healing frequencies embedded into the units are passed directly into the water and even the surrounding environment itself.

The space that the scalar energy occupies is not a vacuum but comprises a network of harmoniously balanced fields. This scalar energy occurs naturally but cannot be measured by modern day instruments which are designed to measure Hertzian energy frequencies and wavelengths. However, its effect on objects can be strikingly demonstrated with Kirlian photography or Gas Discharge Visualization (as can be seen again in the GDV Photos below).



And yes, scalar fields can also be witnessed directing the dance of the Starlings in the incredible video I showed you before.

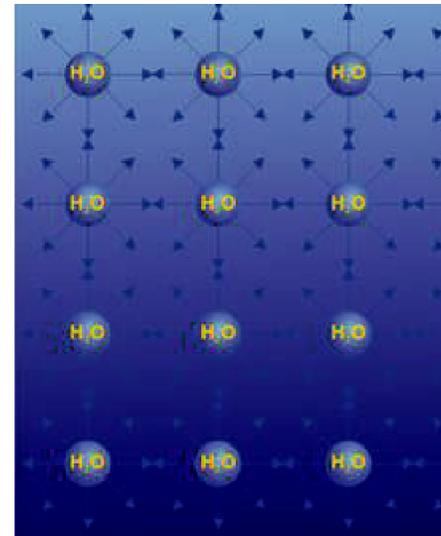
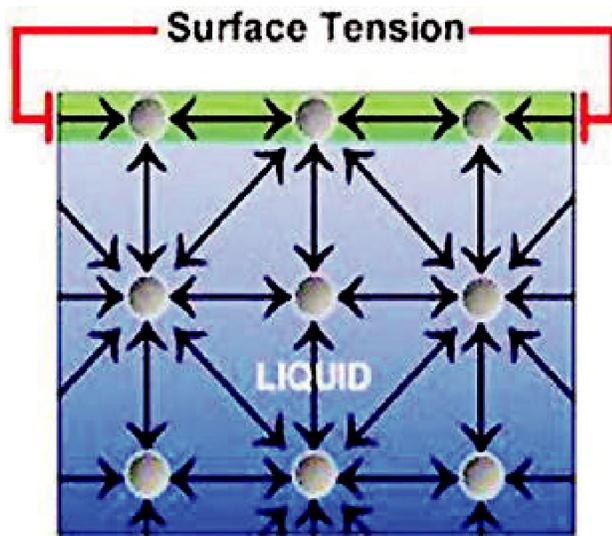
And I'm posting it here again simply because well,
I simply love it!

20) Reduced Surface Tension

We all know if you jump off a ten-story bridge into a body of water, you're probably not going to feel like a million bucks (*if you even survive*). Most of us also know that water beads and that water skippers don't drown.



The reason water has surface tension is easily seen in its molecular structure. You may recall from earlier that the molecular bonds of water are polar, which means they are slightly electromagnetically charged. These electromagnetic magnetic poles line up in such a way as to cause the water to create tension on its surface. But a picture's worth a thousand words, right? The pictures below describe it better than I ever could in just words.



This

high surface tension makes it difficult for the water to penetrate the cell membrane (*in people and animals*) or the cell wall (*in plants*), which in turn leads to dehydration, a very bad thing...

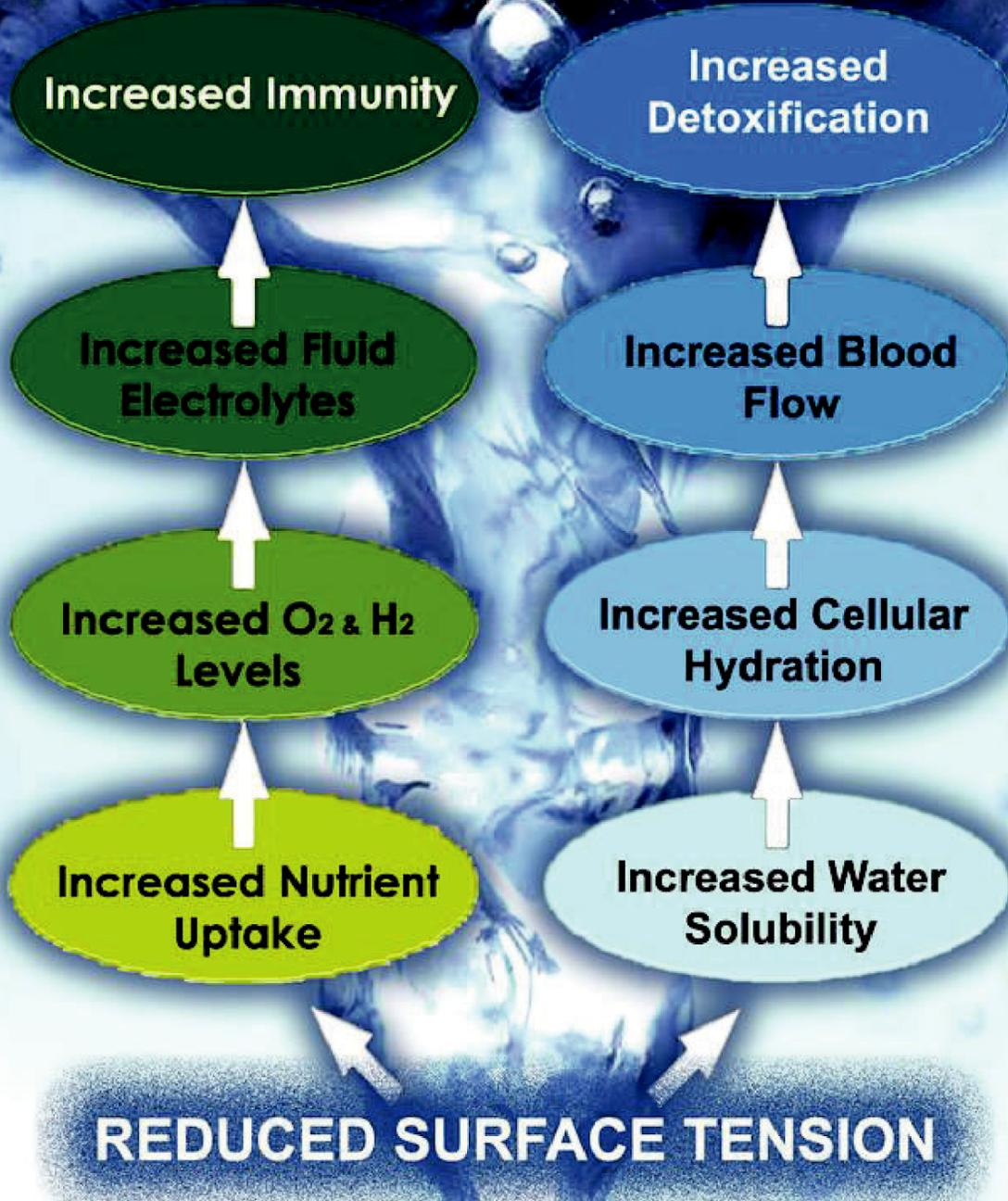
Molecularly disorganized (or unstructured) water has a much greater surface tension than Structured Water due to the unstructured water's loss of essential electrical charge. This means that Structured Water can much more efficiently penetrate into the interior of the cell and carry all of the vital energy and nutrients while also removing all of the cellular waste products.

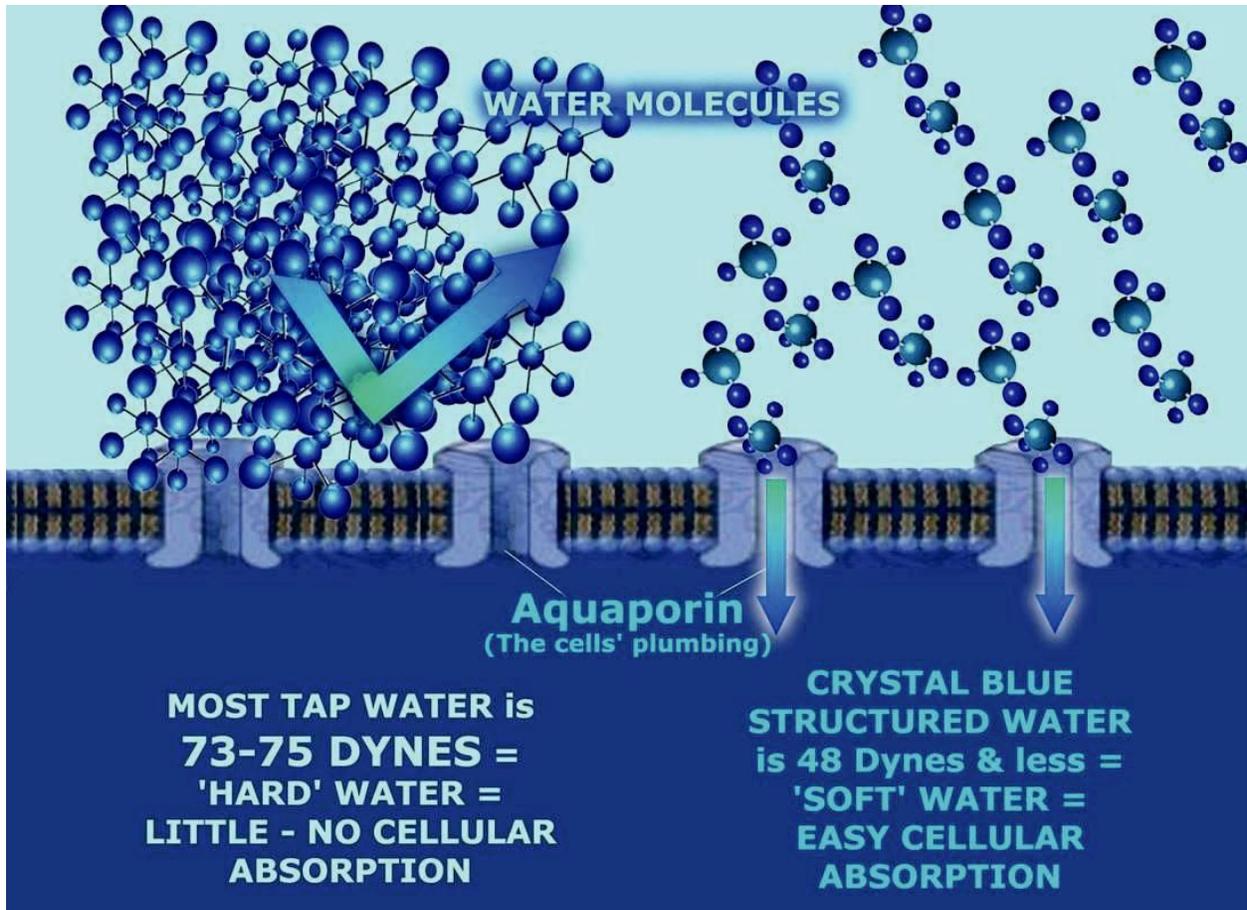
Below is a graphic depiction of how reduced surface tension water will more easily penetrate hardened soil, making it much more available to the surrounding plants. This would equate to far less of the world's dwindling water supplies being needed to nourish and produce enough food for livestock and people.

Water is attracted to soil particles. If there is enough water available, water will be held between grains. This is known as capillary water or available water. Water with lower surface tension adheres to soil particles and there will be a capillary rise due to attraction of the water molecules to the side of the soil particle through hydrogen bonds.



PERSONAL





It may seem obvious, but cellular dehydration is a major contributor to cell damage. Therefore, pre-treating your water with a Crystal Blue Water Structuring Unit will dramatically increase your cellular hydration due to decreased surface tension in the water. In order for your cells to acquire the proper hydration, the surface tension of your drinking water needs be lower than the surface tension of your cell walls. The Crystal Blue Water Structuring Unit will provide your body with one of its most essential and valuable needs – hydration!

Independent testing has proven that our Crystal Blue Water Structuring Units reduce water's surface tension far more than any other product yet designed!

21) The 432 Hertz Frequency

Nicola Tesla stated that everything in the universe - including our own bodies - is made up of energy vibrating at different frequencies, and that what we call matter doesn't exist. It's all energy!

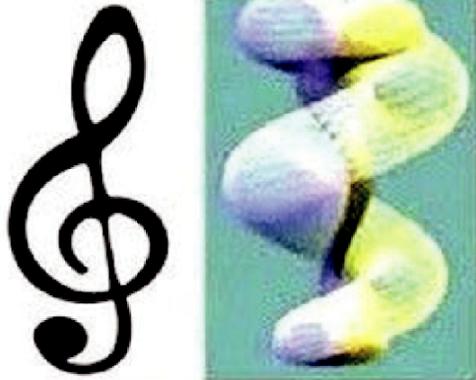
So, let's look back. Over 80 years ago, a renowned frequency research pioneer named Dr. Georges Lakhovsky identified the frequency of 728 Hertz, which at the time he believed to be "The Universal Life Frequency." It was thereafter also identified by the equally inventive genius, Dr. Royal Raymond Rife, as being one of the most beneficial and healing of all the frequencies he had studied. An interesting point to note is that the 728 Hz frequency is a natural harmonic of the 432 Hz frequency, so by using the 432 Hz frequency, you are also receiving the full benefits of the 728 Hz frequency as well.

Recent ground breaking research into the 432 Hertz frequency has brought us an entirely new understanding of the possibilities of enhancing and promoting health and vitality in plants, animals, and people. In short, the implications for its proper use are nothing short of staggering. While the beneficial effects of the 432 Hz frequency have been known for some time, science was at a loss as to how to adequately explain "how and why" this is so. It was not until recently that seminal research was able to provide us with detailed insight into this hidden mystery.

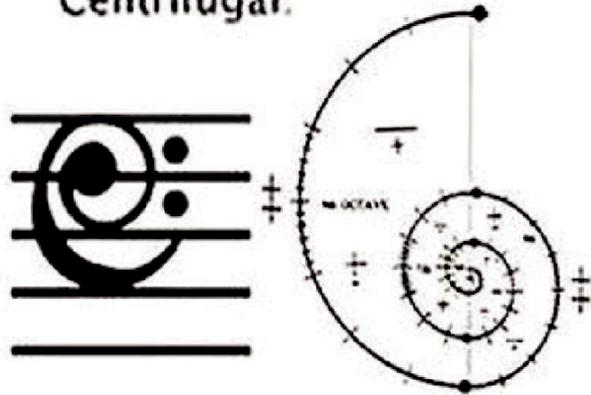
Another fascinating bit of recently discovered information has also revealed that music writing symbols are virtually all pictographs of sound energy flowing, as it follows the Fibonacci

ratio (aka the "Golden Mean"). The Golden Mean is a mathematical construct that is evidenced throughout all of nature in such seemingly divergent patterns as seashells, sunflowers, petals, DNA, and hurricanes. Crazy, right?

Centripetal:



Centrifugal:





When the harmonics of 432 Hz come into play, the DNA spirals are harmonized and healed according to recent "music therapy" research.

So, based on the mentioned research above, Crystal Blue has now fully incorporated the 432 Hz frequency into our already proven line of water-enhancing and frequency-based technologies, with the expectation of more than doubling the astonishing “healing and livening” effects that have been produced so far.

Preliminary research is showing that with the use of the 432 Hz frequency, along with the already well-established modalities of science-based water and frequency transfer, Crystal Blue will now be able to bring the science of water enhancement to a level of quality never seen before!