The Economic Problem

Economic problem

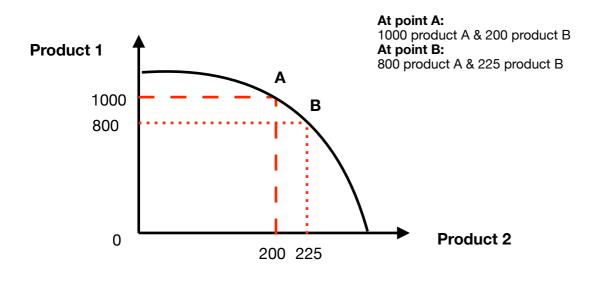
unlimited wants exceeding limited resources.

Factors of production

- Land: Natural resources including physical land
- Labour: Human input (physical and mental)
- **Capital:** Man-made resources to aid production (including buildings, processed materials etc.)
- Enterprise: Risk bearing and decision making (the drive behind the firm)

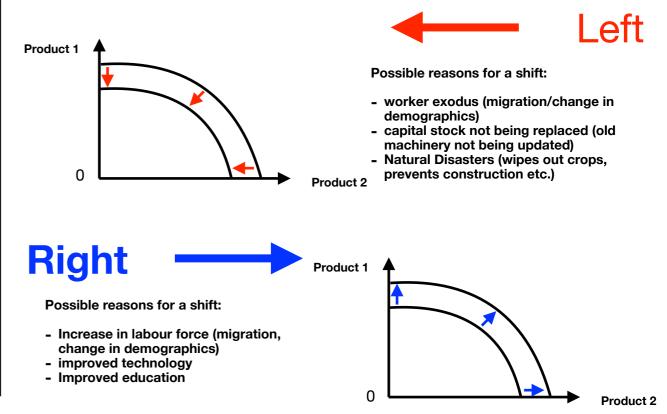
Production Possibility Curve (PPC)

Shows the maximum output of two types of products and the combination of those products that can be produced with the existing resources and technology, thereby showing the opportunity cost of choosing one product over the other.



Opportunity Cost: the best alternative forgone.

Shift of a PPC



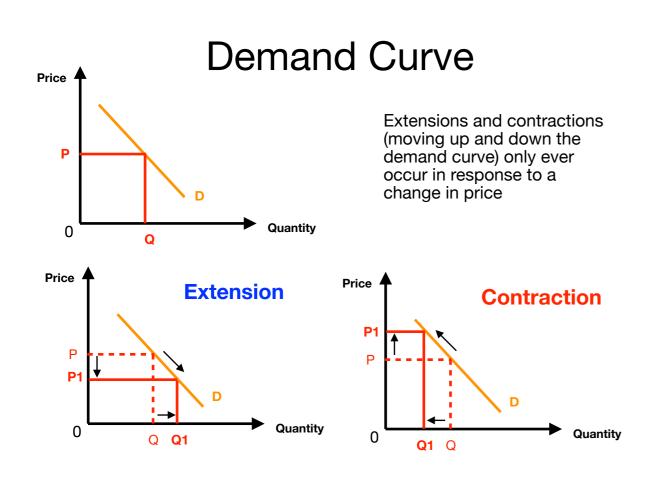
Supply and Demand Revision Cards

Supply: the willingness and ability to sell a product.

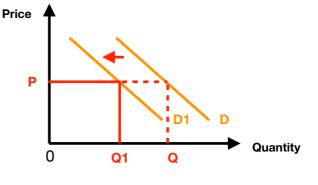
Demand: the willingness and ability to buy a product.

Aggregate supply: supply for the whole market.

Aggregate demand: demand for the whole market.



Shift in demand curve





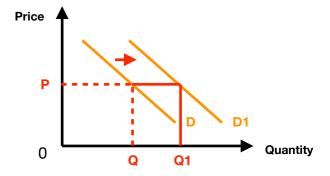
Possible reasons for a shift: SIT DIC

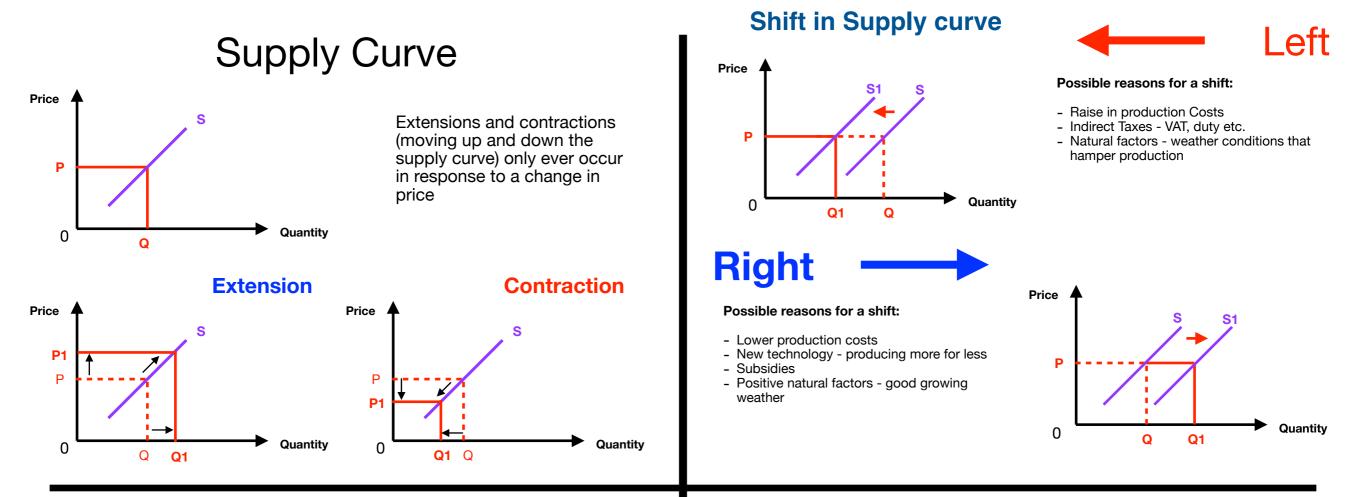
- More expensive Substitutes
- Raise in Income/disposable income
- Change in fashions/Tastes in favour of the product, or away from other similar products
- Demographic changes that favour the product.
- Information available good publicity, plenty of successful advertising
- Price of **C**omplements



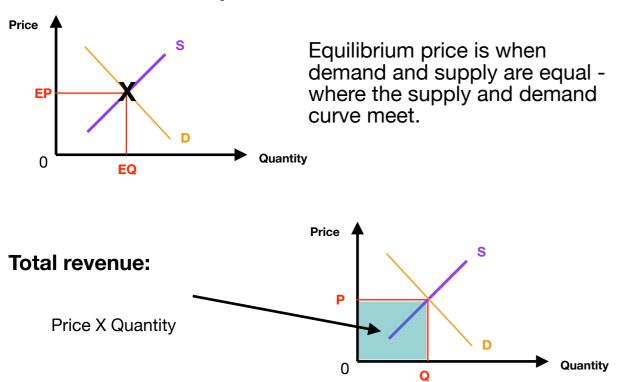
Possible reasons for a shift: SIT DIC

- Cheaper Substitutes
- Drop in Income/disposable income
- Change in fashions/Tastes away from the
- product, or towards other similar productsDemographic changes that don't favour the
- product.
 Information available bad publicity, lack of advertising
- Price of Complements



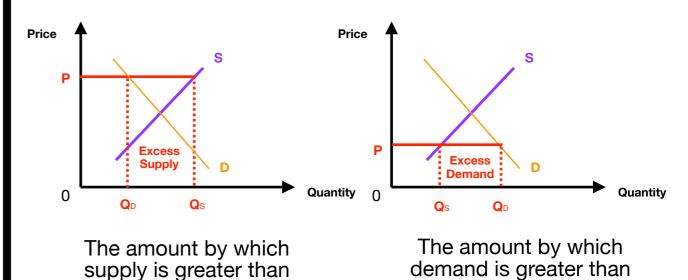


Equilibrium



Excess Supply and Demand

When supply and demand are in **disequilibrium**, we get an excess of supply or demand.



supply.

demand.

Left	Right>	
Shift in Supply	Shift in Supply	
Excess Demand	Excess Supply	
Price increase	Price decrease	
Contraction in D curve	Expansion in D curve	
Quantity supplied decreases	Quantity supplied increases	
Left	Right	
 Left Shift in Demand 	Right	
Shift in Demand	Shift in Demand	
Shift in Demand Excess Supply	Shift in Demand Excess Demand	



Shift in Supply

Caused by:

- Cost of production up supply less for the same amount
- Government taxes pushing up price
- Natural disasters, poor weather conditions
- Price of production substitutes go down make more growing wheat instead of barley, so fewer grow barley
- Number of producers in market goes down (AS)
- · Change in market objectives saving planet,



Shift in Demand

Caused by:

- · Less income/disposable income
- Fashions and tastes that don't favour the product
- Price of substitutes go down
- Price of complements go up
- demographic changes that don't favour the product
- Negative or no information given about the product



Shift in Supply

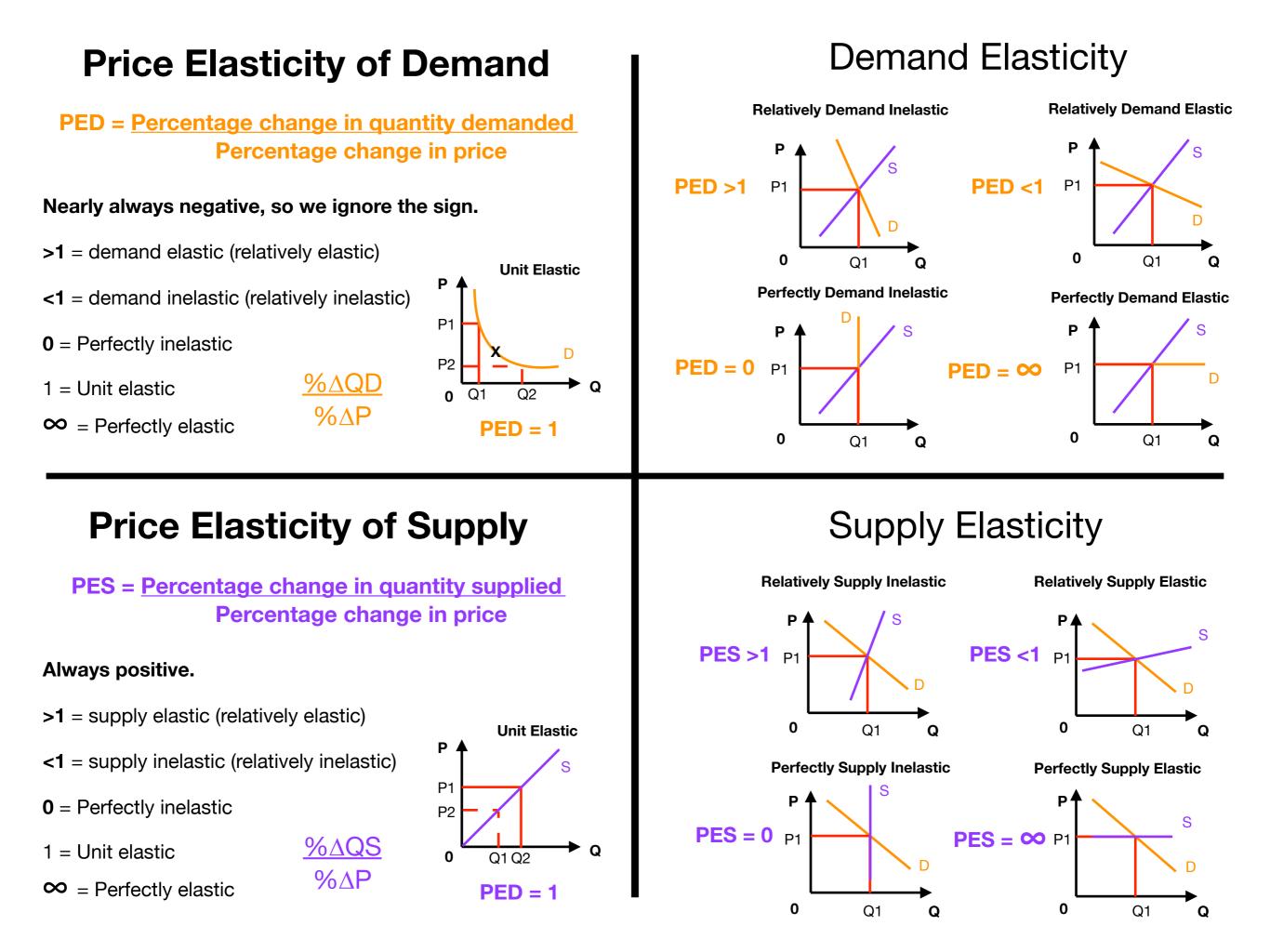
Caused by:

- Cost of production up supply more for less
- Changes in technology supply more for less
- Government subsidies taking price down
- Good weather conditions for production
- Price of production substitutes go up make more growing barley than wheat, so more grown barley
- Number of producers in market goes up (AS)
- Change in market objectives flood market to win market share,
 - Right ----->

Shift in Demand

Caused by:

- Income/disposible income increases
- Fashions and taste change in favour of the product
- Price of substitutes increase
- Price of complements go down
- Demographics change in favour of the product
- Good information available about the product, including positive reviews, advertising etc.



		Macroeconomics		
Allocation of Resources		The study of the economy as a whole.		
		Decisions made by: governments and central banks		
		Microeconomics		
		The study of the behaviour and decisions of households and firms, and he performance of individual markets.		
		Decisions made by: individual companies and people		
Fundamental Economic Q	Jestions			
 What to produce? 		Assumptions		
 How to produce? (where, by whom) 		Business wants to maximise profitConsumers want to maximise satisfaction		
 For whom? 		Everyone is rational in their decision making		
Economic Systems				
Market Planned	Mixed			
An economic system that relies on the price mechanism to allocate resources. Factors of production are owned and managed by the government - gov't decide what, how and for whom.	Bit of both. Some resources are owned and managed by the sate, and some by individuals.			
Price Mechanism: The system by which the market forces of demand and supply determine price.				

Market Failure

When market forces fail to produce the products that consumers demand, in the right quantities and at the lowest possible cost, i.e. when markets are inefficient.

Externalities:

Costs and benefits not directly involved in the consumption and production of goods and services, i.e. to a third party.

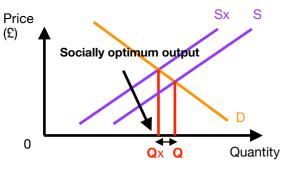
We split this up into external costs and external benefits

Private costs and benefits:

Costs and benefits to those directly involved in the consumption and production of goods and services.

When social costs vary significantly from private costs we get a socially inefficient outcome in a free market - MARKET FAILURE

Market Failure - over-production



If the total costs of supply were taken into account, equilibrium supply would be along curve Sx, but while a firm only pays private costs, it can supply at S.

The gap between Qx and Q is the difference between what an efficient market would produce and what is actually produced.

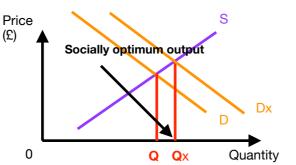
E.g. cigarettes

(£)

Market Failure - under-production

If the total benefits of demand were taken into account, demand would be at Dx, but while individuals only consider private benefits and not social benefits, demand stays down at D.

E.g. vaccinations



Social Costs and Benefits

The total costs and benefits of an economic activity.

External costs and benefits + private costs and benefits

Rational Choice Theory suggests: Individuals will only consider their private costs.

Pros of considering social costs/benefits

Cons of considering social costs/benefits

- Truer picture of costs and benefits
- Taxes and subsidies can balance out net effects
- If externalities are not taken into account, it will lead to market failure
- Impossible to identify and quantify all possible costs and benefits
- · Might over-look financial viability of a venture in favour of externalities
- If market forces are not left to decide. this can lead to over/under production

Indicators of market failure:

- Shortages
- Surpluses
- High Prices
- Poor Quality
- Lack of innovation

Causes of market failure:

- Not all costs and benefits taken into account, e.g. cars
- Information failure, e.g. not understanding the calorie content in foods
- Abuse of monopoly power, e.g. price fixing by Roland and Korg
- Factor mobility not getting the right factors of production in the right place at the right time.

Ways of managing market failure:

- · Maximum and minimum pricing
- Subsidies and taxes (impact depends on elasticity of demand)
- Regulations
- Privatisation
- Nationalisation
- Direct provision
- Information

Market Economic System

A system where most **resources are owned and controlled by individuals** and are allocated through **market forces**, leaving the role of government to oversee and enforce the basic principles of supply demand.

Advantages	Disadvantages	Advantages	Disadvantages
 For the individual The customer is king (power over production) Competition promotes: low price high quality high choice Hard work is financially rewarded 	 For the individual Advertising distorts true demand for a product Insufficient information leads to poor decision making 	For the individualGovernment funds the provision of public goods	 For the individual Shortages and surpluses - poor resource allocation Price - high Quality - low Choice - low
 For the firm Innovation Competition promotes firm efficiency through: low costs high quality high choice Resources allocated to products with highest demand - firms that don't die Governements cannot interfere in operations 	For the firm Small companies are pushed out of the market 	 For the firm Businesses are protected from financial failure Co-operation (due to no competition) between firms can lead to high productivity. 	 For the firm Lack of innovation Less financial incentive for high performance from managers
 For the country Responsive to change in customer demand Price mechanism: effective allocation of resources Competition promotes resource efficiency through: low prices and costs high quality high choice Only 'healthy' firms stay in the market. Pushes up GDP and standards of living Enables international trade Price Mechanism: The system by which the market 	 monopolies, market domination, etc. Public goods would not be produced - free riders prevent them from being profitable Inequality in income leading to inequality in wealth Most vulnerable in society are least protected 	 For the country A more equal society - less inequality of income and wealth Less unemployment Less inflation External costs can be limited through S&D Can push merit goods and reduce use of demerit goods 	For the countrySlow economic growthSlow improvement in living standards

Mixed Economic System

An economy where both private and public sectors play an important role.

Advantages

For the individual

- The customer is king (power over production)
- Competition promotes:
 - low price
 - high quality
 - high choice
- Regulation reduces market failure prevents artificially high prices, dangerous quality, false information etc.
- Governments support people to find work
- Vulnerable groups are ensured access to the basic necessities
- Entrepreneurs can make a profit
- Hard work is rewarded financially

For the firm

- Government invests in infrastructure enabling
 private firms to operate and make a profit
- Private ownership of business, incentive to be efficient
- Limits to government interference

For the country

- Public goods still provided
- Governments can encourage use of merit goods
 and discourage use of demerit goods
- Governments can finance goods and services that cannot be charged for directly, e.g. defence
- Governments can plan and finance long-term ventures, e.g. Large Hadron Collider
- Regulation reduces market failure climate change, monopolies, etc.
- A degree of equality greater than market, less than planned
- Macroeconomic stability policies to correct recession etc.
- Legal support from private property and government provision of law and order
- Resources effectively allocated

Planned Economic System

The government makes all the crucial decisions on what to produce, how to produce it and for whom.

Disadvantages

For the individual

 Regulation prevents products being produced at the lowest possible price, or potentially being produced at all, e.g. illegal drugs

For the firm

Regulation can stifle economic maximisation

For the country

- Government failure poor decision making, short-term decision making to fit around elections, corruption - leading to market failure
- Excessive inequality if not controlled by government

Public goods: Products that are non-rival and non-excludable, and so need to be financed by taxation. E.g. street lighting, flood defences, roads etc.

Non-rival: One person using it, doesn't prevent another from using it. **Non-excludable:** Cannot exclude people from using it.

Merit goods: Products that the government considers consumers do not fully appreciate the **benefits** of, and so are **under-consumed** if left to market forces, e.g. vaccinations.

Demerit goods: Products that the government considers consumers do not fully appreciate the harmful effects of, and so are **over-consumed** if left to market forces, e.g. cigarettes.