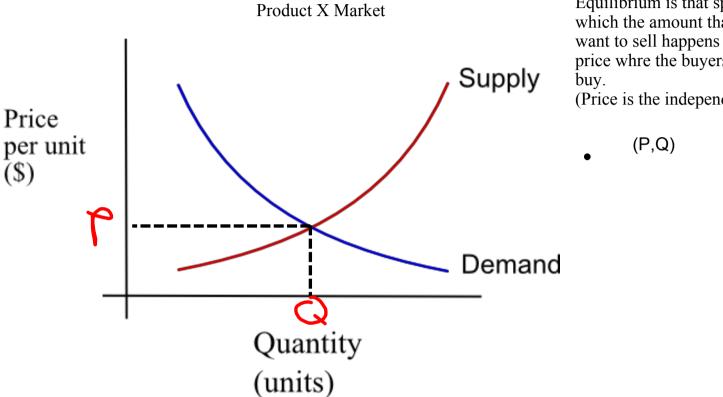
Targets:

Understand the correspondence of the intersection to equilibrium

Know what it means to change the quantity
Know what it means to change the curve
Know the model of why the demand curve has its shape
Know the model of how the demand curve moves
Know the model of why the supply curve has its shape
Know the model of how the supply curve moves

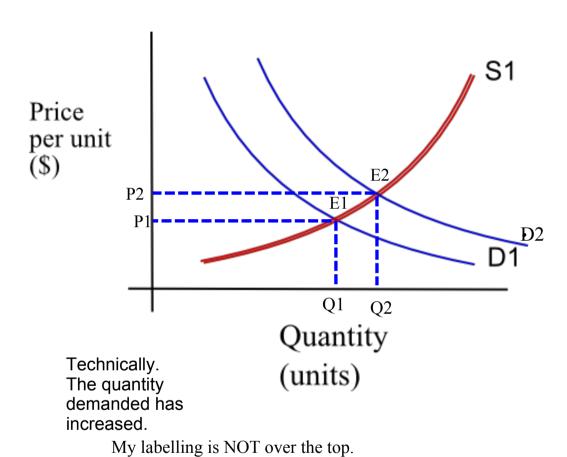
The picture of a market What is the Supply curve? What is the Demand curve? What is important about where they cross? The curve shows combinations of quantities and prices that make sense to each of the actors, (producers and consumers)



Equilibrium is that special price at which the amount that the sellers want to sell happens to match price whre the buyers want to

(Price is the independent var.)

Product X Market



MORE AP POINTS HAVE BEEN LOST ON THIS TERMINOLOGY/USAGE ISSUE THAN ANY OTHER ISSUE OF ANY KIND.

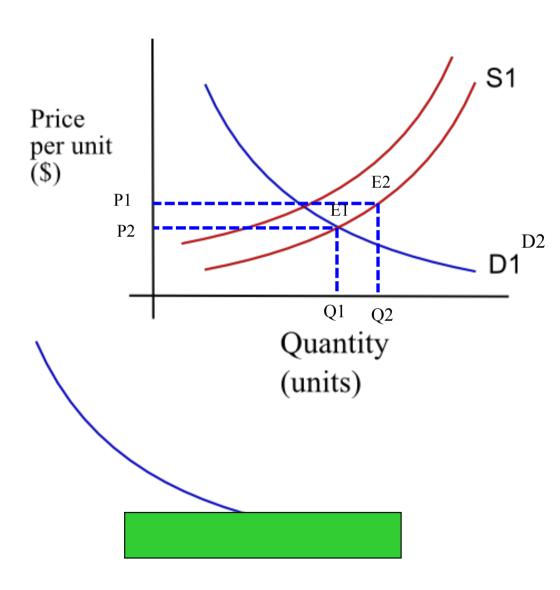
Describe what has happened to the curves and quantities in this picture?

Demand has shifted right or increased.

Supply has not changed.

The quantity supplied has increased.

Product X Market



Changes in the quantity demanded occur because of

changes in the supply curve.

(next topic).

Changes in demand occur because of changes in the determinants of demand

Changes in the quantity supplied occur because of

changes in the demand curve.

Changes in supply occur because of

changes in the determinants of supply.

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Law of Demand/shape of demand curve

Shifters of demand curve

Normal vs. inferior goods

Complements and supplements

Laws:

Got:

The <u>law of increasing opportunity costs</u> states that as the production of a good increases the opportunity cost of producing additional units rises.

The <u>law of diminishing marginal utility</u>states that beyond a certain quantity, additional units of a specific good will yield declining amounts of extra satisfaction to a consumer.

Getting:

The <u>law of diminishing returns</u> states that as succes-sive units of a variable resource, such as labor, are applied to fixed resources, beyond some point the marginal product as-sociated with each additional unit of the variable resource declines.

The relationship of price to QUANTITY DEMANDED

Law of demand: All else equal, as prices falls, the quantity demanded rises and as price rises, the **quantity demanded**falls.

Why?

Price per unit (\$)

1) Because "Price is an obstacle" (?)

p

2) Diminishing marginal utility: Progressive units give less satisfaction.

d

3) Income effect: Higher prices consume your budget i

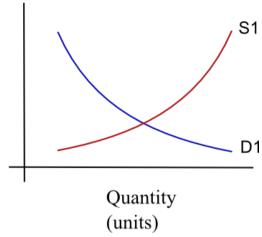
4)Substitution effect: At lower prices you will use this product instead of others that meet similar needs

S

Are these the same for consumer? =>

- Individuals vary, we are looking at the aggregate

- The curve captures the average impact of these rules.



The market demand curve: An aggregate at a point of time from fickle consumers, instant survey.

What can change? Smart Phones

- Income !BE CAREFUL - EFFECTS UNCLEAR!

- Number of consumers

- Expectations

- Related goods=> Two kinds

- Tastes and preferences

!BE CAREFUL! Continued

Normal vs. inferior goods

Name examples

Bear and Grill

Right answer? do a study

MacDonalds

Firewood Generic Mac & Cheese

Small cars

Lawn mowers

Related goods

Substitute:Like margerine vs. butter

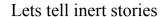
When the price for a substitute good goes up then the demand for the product goes ___________

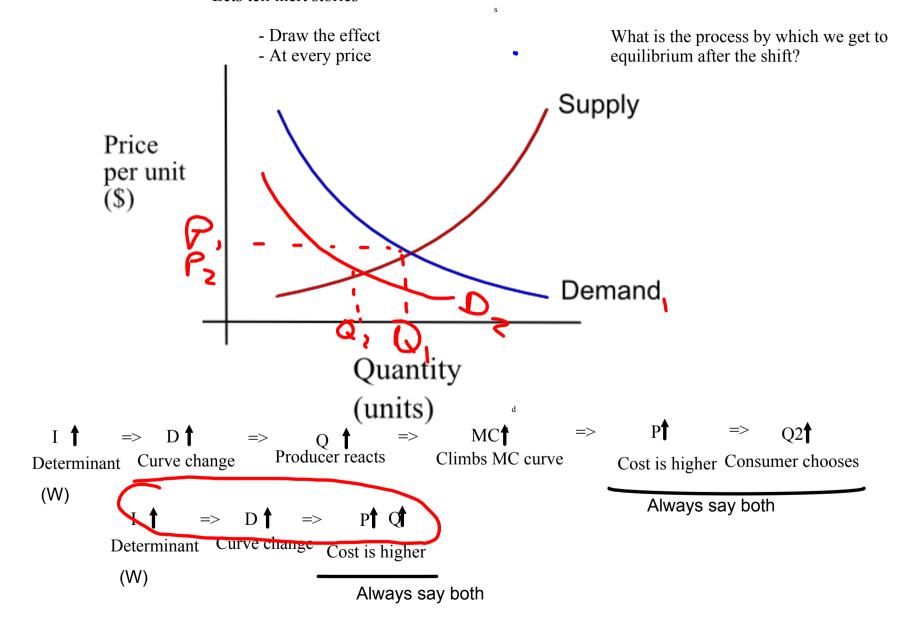
$$P_s \longrightarrow D \longrightarrow$$

$$P_s$$
 => D

Complement:Like ski boots vs. skis
When the price for a complementary good goes up then the demand for the product goes

$$P_c$$
 \Rightarrow D





Demand and supply analysis are very different

Demand analysis is about inscrutable, often arbitrary consumer preferences. We apply rational analysis to the subjective.

Supply analysis is about profit maximization.

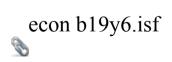
Objective calculation to maximize a number.

- All about costs (what is the "special" cost?)
- What is the producers sequence of thought?

Unit Price => Unit Cost to produce at => Ouantity

Why does the supply curve slope up?

Increasing marginal costs



SUPPLY => Simple minded compared to demand analysis of inscrutable consumers

- All about costs (what is the "special" cost?)
- What is the producers sequence of thought?
- : Unit Price indicates: Unit Cost we can produce up to: indicates Quantity

Resource prices - the biggee

Other goods - the return on other goods (prices, maybe)

Technology - efficiency

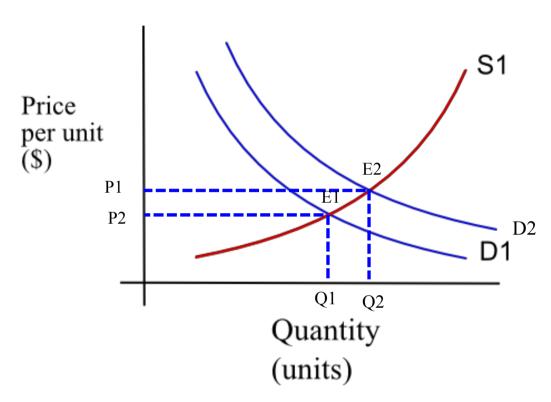
Taxes and subsidies - mimic other determinants

Expectations - very hard to predict/argue

Number of sellers - the curve is the aggregate

last year's 20 next

Product X Market



Changes in the quantity demanded occur because of

changes in the supply curve.

Changes in demand occur because of

changes in the determinants of demand (next topic).

Changes in the quantity supplied occur because of

changes in the demand curve.

Changes in supply occur because of

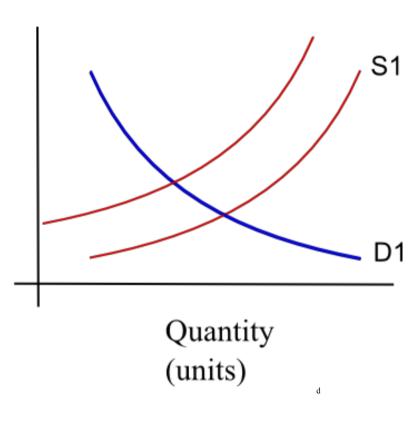
changes in the determinants of supply.

How does equilibrium happen?

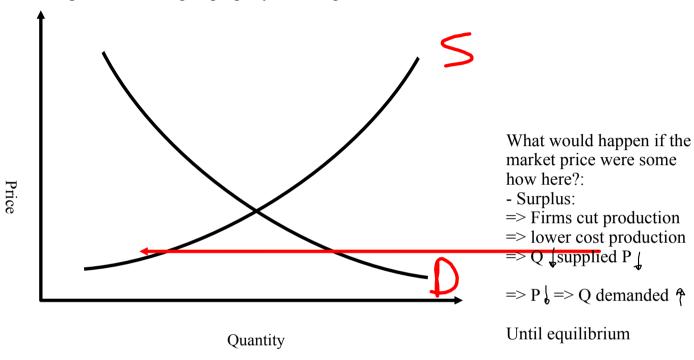
Change in supply:

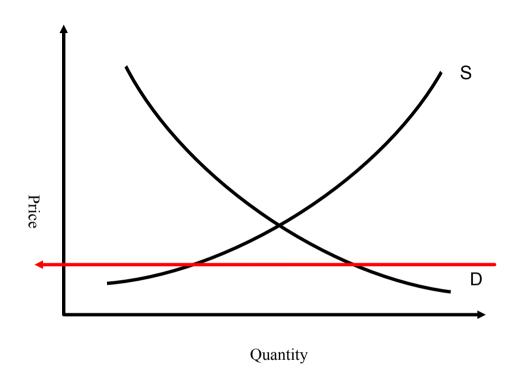
Change in demand:

Rationing function of prices: The Supplier and Demanders responses to price define a process that brings us to a stable and proper Q for each product.



Rationing function of prices: the process by which the market finds equilibrium eliminates surplus and shortages, properly rationing resources.



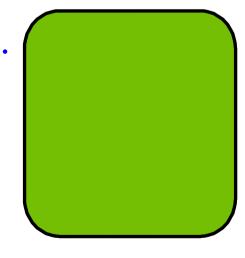


Shortage:

- => Firms incr. production
- => higher cost production => Q supplied P

Until equilibrium

What would happen if the market price were some how here?



Why the curves have their shape.

Why they move.

How equilibrium is found.

Curve 1 move => Different quantity wanted at current price

- => pressure towards temporary pseudo-surplus or pseudo-deficit
- => Curve 2 deciders react and move along their curve meeting new quantity, at the right price for them

I'm done:

Test Monday.
HW questions?
Or I just move on.
(Work load is really inconsistent.)

supplyanddemandS1D1.svg econ b19y6.isf eco00b19y7.notebook geo22 B20y6.isf