

SUPPLY 11.2A

Lesson 3



01/11/2016

Sonali Sinha Roy

Learning Objectives

<u>(1 min)</u>

By the end of the lesson the learners will be able to :

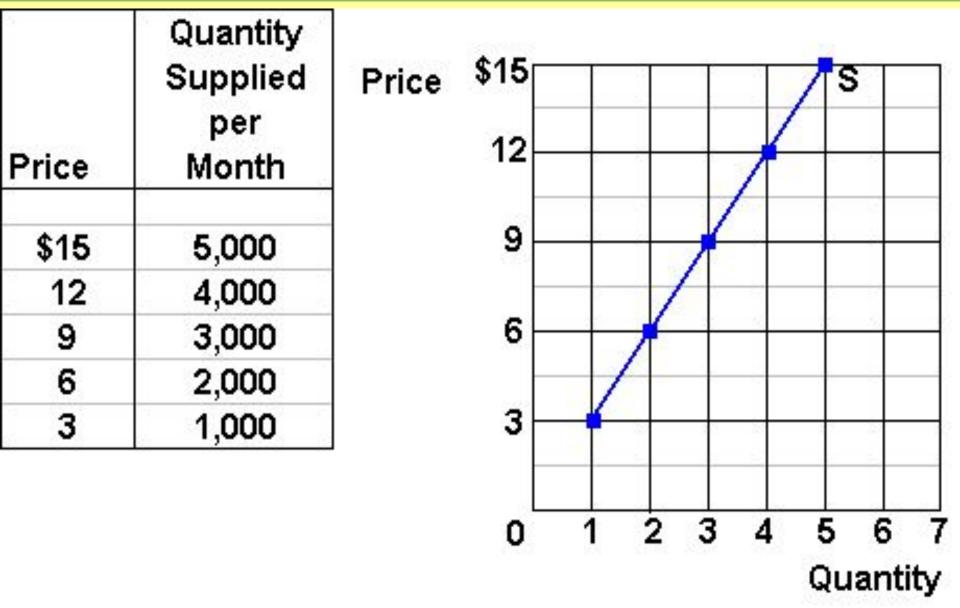
Define and understand the terms
Supply
Movement along and shift in the Supply curves

Analyse and apply the concept to real world situation .

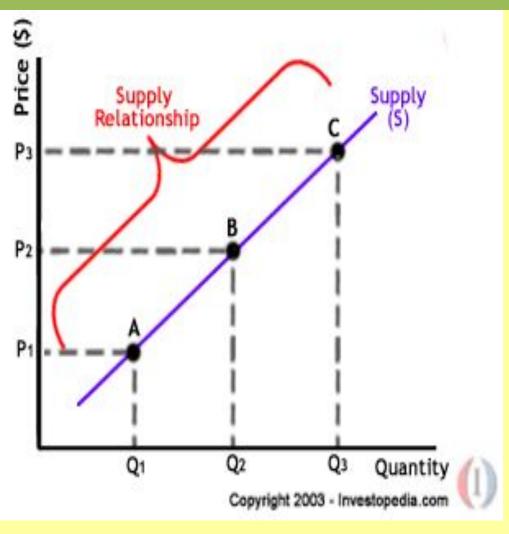


Willingness to sell product at various given prices at a given point of time

Supply Curve



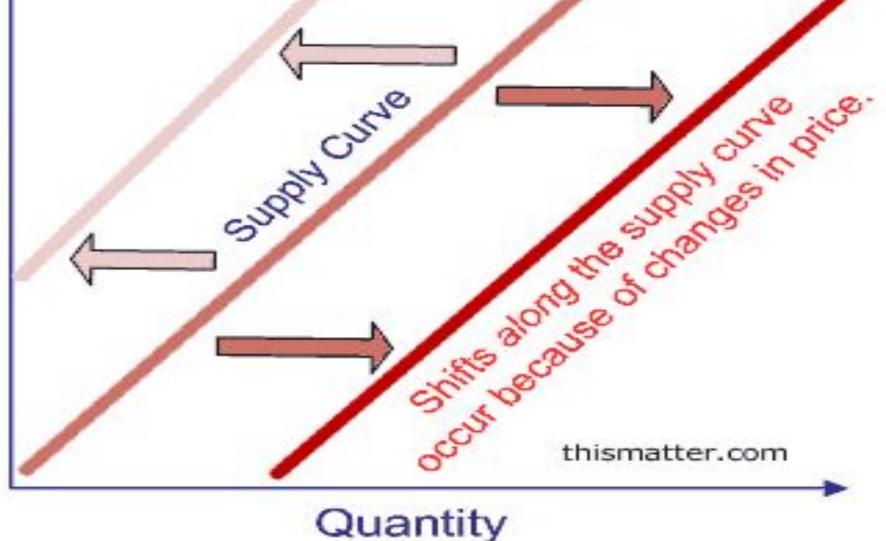
Movement along the Supply Curve



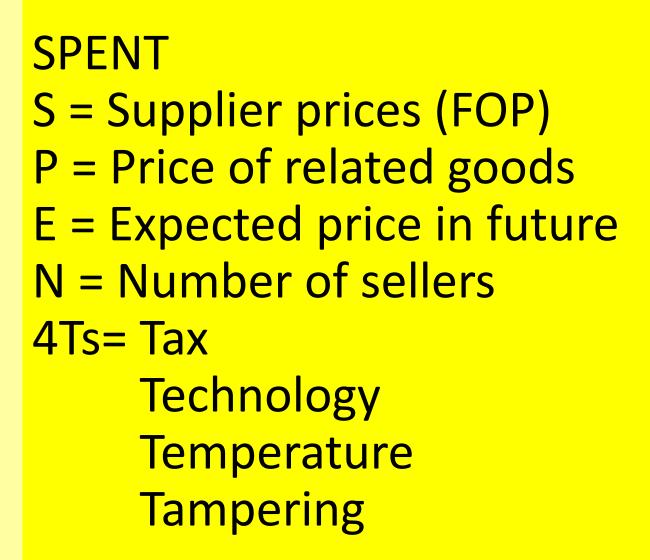
Movement along the Supply curve is due to the change in price only. Other factors are kept constant .

Movement from **Point A to B**: Extension in Supply/Increase in Quantity Supplied - $P \uparrow QD \uparrow$

Movement from **Point C to B**: Contraction in Supply/Decrease in Quantity Supplied - $P \downarrow QD \downarrow$ Shifts in the supply curve – occur because of changes in ——> non-price supply determinants.



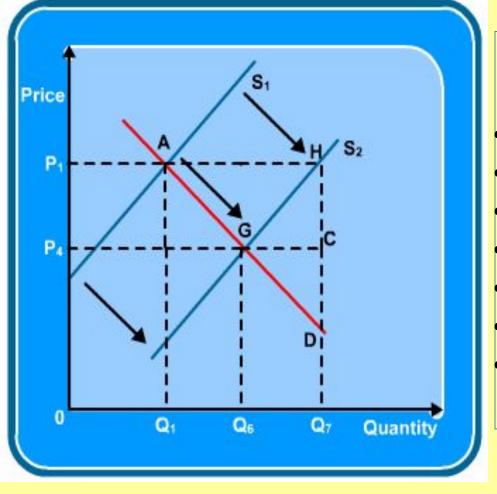
Shifts in supply curve



Law of Supply MOVEMENT ALONG THE SUPPLY CURVED & T. S. S. A to B. T. PRICE. IP -> IQS + Other things being equal / Constant / Fixed. Therfactors O Price of related goods. SHIPT IN THE SUPPLY CURVE (4) Weather / climates Therfactors Price of related goods. (4) Weather / climates Therfactors TPRice > TQS wheat (Substitute) Favourable > TQS Unfavourable > TQS Unfavourable > TQS 19 -> 1 QS -> TQS leather leather bag. complematary (S Government intervention. @ Mechnology -> PQS (right shift) & 1 Maxes - 1QS $\rightarrow TQS(")$ Maniff Quotas 3 1 Pinputs -> 1 C • Unate of intensit V P raw materials • V Pimport /112016 · I hlage/Salary · I price land 56 Number of Sellers > QS 1 01/11/2016 Sonali Sinha Roy

19351 G Shifts in Supply powers si increase Curve Prices of land >1C -> LQS Curve Price/Wage/Salaries of labours/wonkers Suppliers input prices Price of naw materials > 1C -> LQS Price of naw materials > 1C -> LQS Price of noney/Capital > 1C -> LQS Price of money/Capital > 1C -> LQS P-> Prices of related goods -> Complementary goods in Supply. E-> Expected future price Example: pp > TQS N = JQS (Now) > Substitute goods in Supply Thumber of Suppliers -> TQS. Example: 1P Rice > TQS - JQS Perpension Technology > New -> TQS - TQS - JQS Technology > New -> TQS - TQS - JQS Technology > New -> TQS - TQS - JQS Technology > New -> TQS - TQS - JQS Technology > New > TQS Temperature > Old > TQS (government Traxes > QSJ Weather > Favourable > TQS Restrictions) Traniff > LQS > Unfavourable > LQS Subsidies > TQS

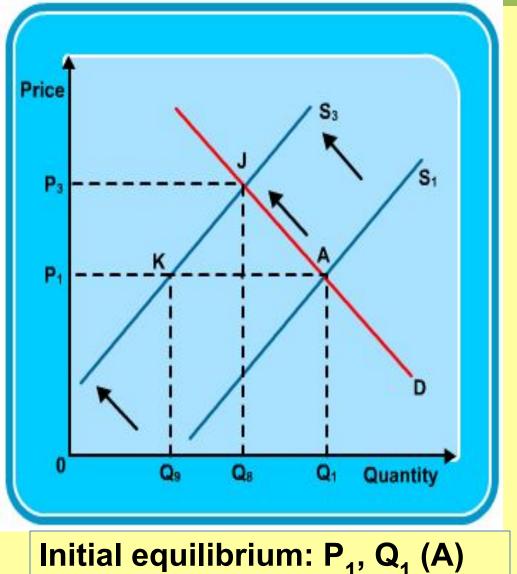
Supply curve shifts to the right



Why might the supply curve shift to the right? •Fall in wage costs •Fall in raw material costs Improved labour productivity Reduced indirect taxes Increased subsidies Improved technology •Entry of new firms into the industry

Initial equilibrium: P₁, Q₁ (A) New equilibrium: P₄, Q₆ (G)

Supply curve shifts to the left



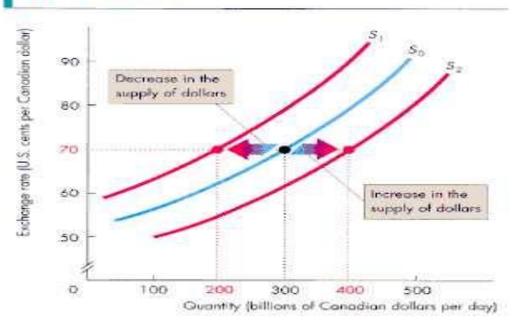
New equilibrium: P₅, Q₈ (J)

Why might the supply curve shift to the left? Rise in wage costs Rise in raw material costs Reduced labour productivity An increase in indirect taxes •Reduced, or elimination of, subsidies The exit of existing firms from the industry

Example: Case Study

FIGURE 36.7

Changes in the Supply of Dollars



A change in any influence on the quantity of Canadian dollars that people plan to sell, other than today's exchange rate, brings a change in the supply of Canadian dollars.

The supply of Canadian dollars:



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Recap of Today's Lesson

Reflection



SUPPLY 11.2A

Lesson 4



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Sonali Sinha Roy

Learning Objectives

<u>(1 min)</u>

By the end of the lesson the learners will be able to :

Define and understand the terms
Supply Function
Plot supply curve from an given equation

Analyse and apply the concept to real world situation .

Supply Function

Supply Function indicates the relationship between the of the quantity commodity supplied and the unit price of the commodity.

Equation:

- $Q_s = c + dP$ $Q_s = quantity of a good supplied$
- P = is the price of the good
- c = vertical intercept (max supply)
- d = the slope of the supply curve

Supply Function

c = Autonomous level of supply (how much would be produced if the price is zero)-vertical intercept

d = the price coefficient of supply (how much quantity will increase for every \$1 increase in price. Higher the d variable, higher the producer responsive to the price change and vice versa) - the slope of the supply curve

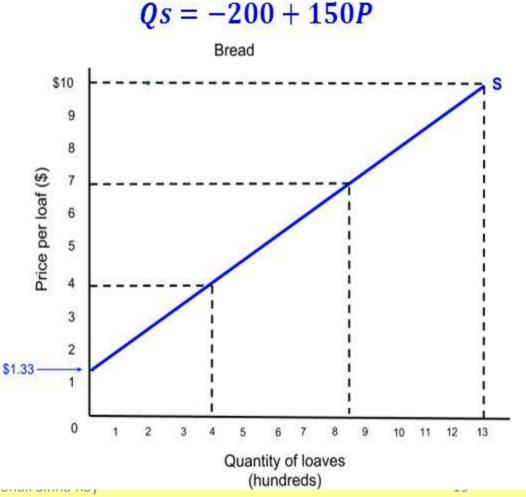
Example

Linear Supply Equations – the Supply Curve

The data from our supply schedule can easily be plotted on a graph. All we need is two points from the schedule to plot our curve.

Notice that:

- The Q-intercept is not visible on our graph, since the Q-axis only goes to the origin
- The P-intercept is labeled at \$1.33. This indicates that until the price of bread is \$1.33 per loaf, no firms will be willing to make bread.
- The gradient of the curve is representative of the 'd' variable, which tells us that for every \$1 increase in price, quantity rises by 150 loaves of bread. 'd' is the change in quantity over the change in price.



Supply Function

The slope of a supply curve is usually positive, as price increases, quantity supplied increases and vice-versa. The y-intercept of the supply curve (0,b) represents the lowest price at which an item will be supplied.

In Class Activity

- Use the linear supply equation for haircuts in your town, Qs=-100+20P to answer the questions that follow:
- .Create a schedule showing the supply of haircuts in your town at prices of \$10, \$20, \$30, \$40, and \$50.
- .Calculate the price-intercept of your supply curve, and then use the data from your supply schedule to plot a supply curve for haircuts.
- Assume that due to a decrease in rents on business space in your town, the number of salons increases, increasing the 'c' variable in your supply equation to -50. Create a new supply schedule based on the new supply equation, and then plot your new supply curve on your graph.
- Assume due to a change in labor laws, it becomes more difficult for salons to hire and fire hair stylists, reducing the responsiveness of salons to changes in the price of haircuts. This leads to a fall in the'd' variable in the supply equation to 10. Create a new supply schedule based on the new supply equation, and then plot your new supply curve on your graph.
- Besides the two non-price factors described above, identify at least five other factors that can lead to a change in the supply of haircuts or a change in the responsiveness of salons to price changes.

Recap of Today's Lesson

Reflection