Chapter 4 The Market Forces of Supply and Demand (p. 51)

- I. Introduction (Last time)
- II. Demand (Last time and today)
- III. Supply (Today)
- IV. Market Equilibrium (Today)
- V. Disequilibrium (next Tuesday)
- VI. Scalping and Price Gouging (next Tuesday)
- VII. Comparative Statics Analysis (next Tuesday)
- VIII. The Role of Prices (next Thursday)



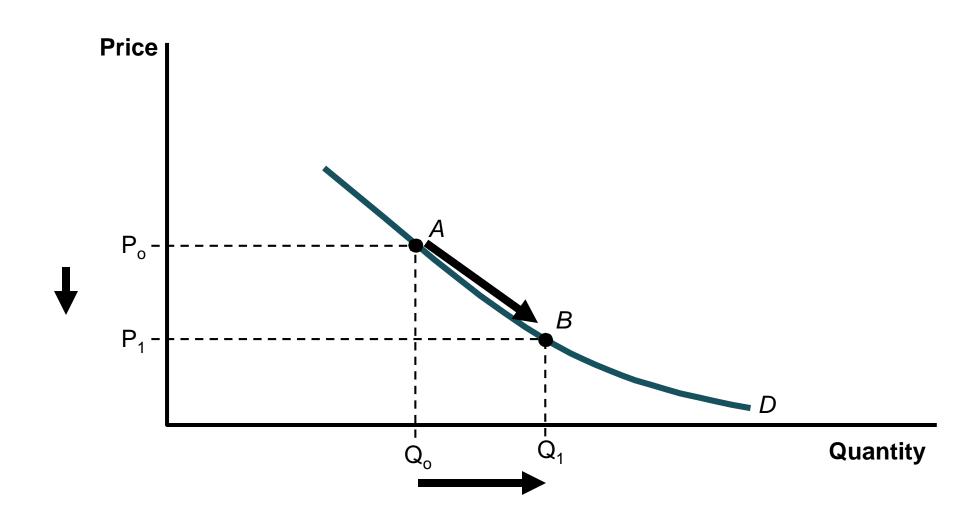


BEMAND

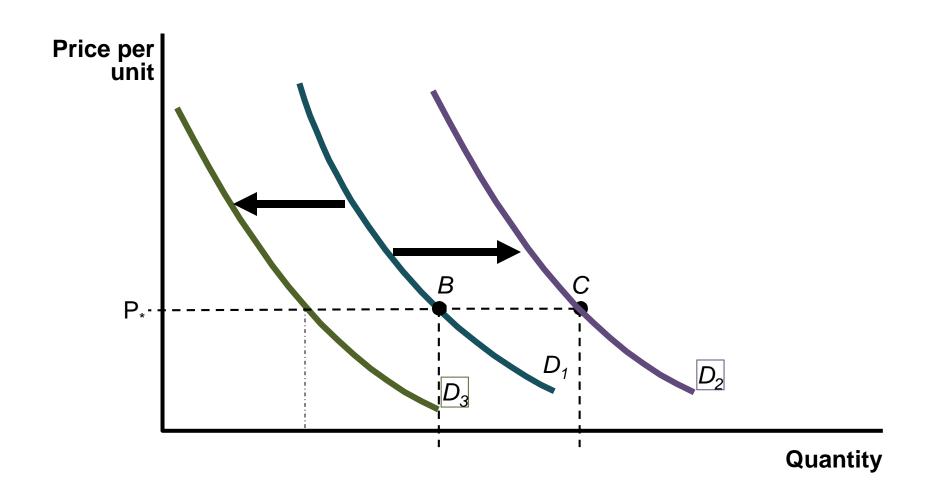
Deriving Demand from THRESHOLD VALUES P. 56 IN PACKET

1. Change in Q^D (Quantity demanded), P. 56

Quiz question based on this slide and the next.



2. Shift in Demand, P.56



Shift Factors of Demand





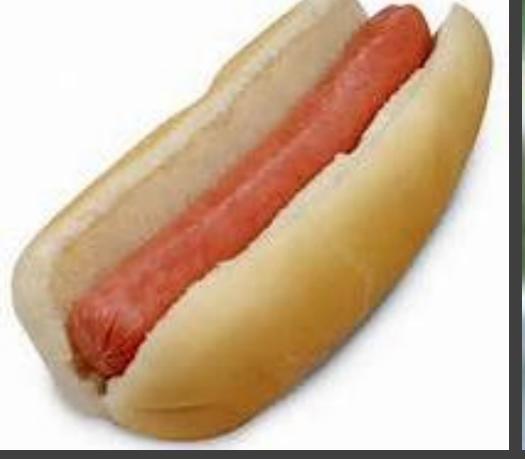


1) Prices of Related Goods, P.57 Substitutes

Dishwasher made in US VS China



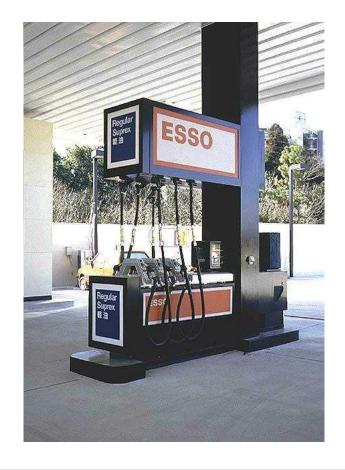








Complements





Are Gasoline and Beer Related Products?

Best ad from the Super Bowl 2016



Hot dogs and ketchup - complements

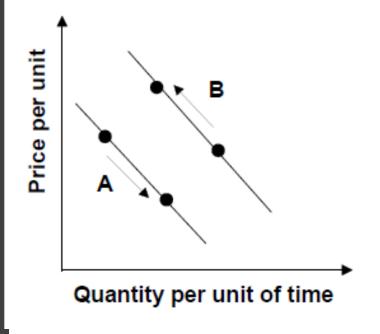
https://www.youtube.com/watch?v=6igEIOW4hUA

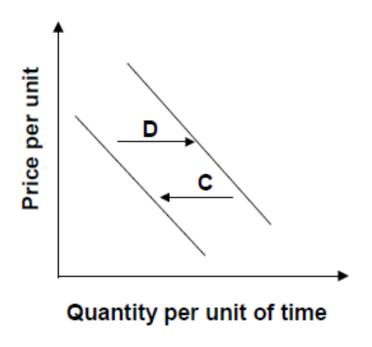
ICLICKER – REEF POLLING



Which arrow on the graph best illustrates the impact of an increase in the price of automobiles? (These graphs depict the automobile market)

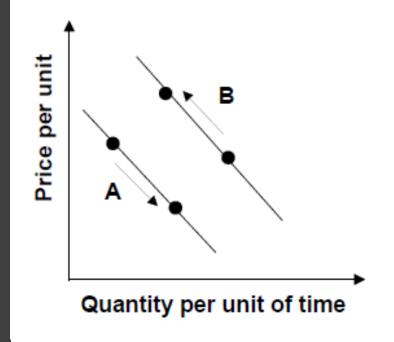
- A
- B
- C
- D

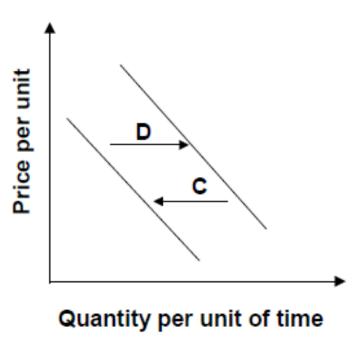




The arrow that would best illustrate the impact of lower gasoline prices on the automobile market is:

- A
- B
- (
- D













INFERIOR GOODS



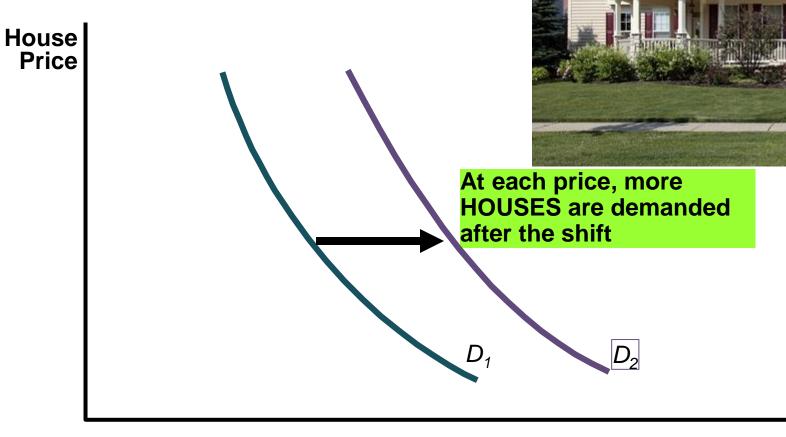
ICLICKER – REEF POLLING



Provide one example of an inferior good or service.

Write your answer as one word or if you write two words put a hyphen between the words.

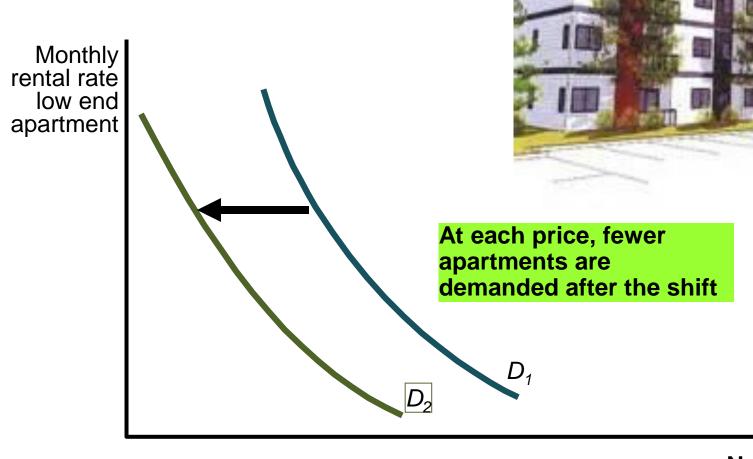
2) Changes in Income-Normal Goods
The market for houses when income rises
Houses are normal goods



Number of Houses sold per month



2) Inferior Goods The market for low cost rental housing when income rises



Number of Apartments Rented per Month

ICLICKER – REEF POLLING



Assume that plastic cups sold at large discount stores are considered inferior goods by consumers. What is the impact in the market for these plastic cups if income levels fall?

Increase A. Demand for plastic cups will increase.

Decrease B. Demand for plastic cups will decrease.

Remain

C. Demand for plastic cups will remain unchanged.



3. Expectations

Suppose 25% tariff will be imposed on dishwashers imported from China effective March 2. Impact on current demand?



- p. 59
- 4) Population
 - —i) change in number of consumers in the market
 - -ii) demographics
 - Baby boomers aging

Change in drinking age



Movement from rural to urban areas



ICLICKER – REEF POLLING



Provide one example of a good or service demanded by aging baby boomers.

Write your answer as one word or if you write two words put a hyphen between the words.

1. Most streamed track ever on Spotify, 1.6 billion



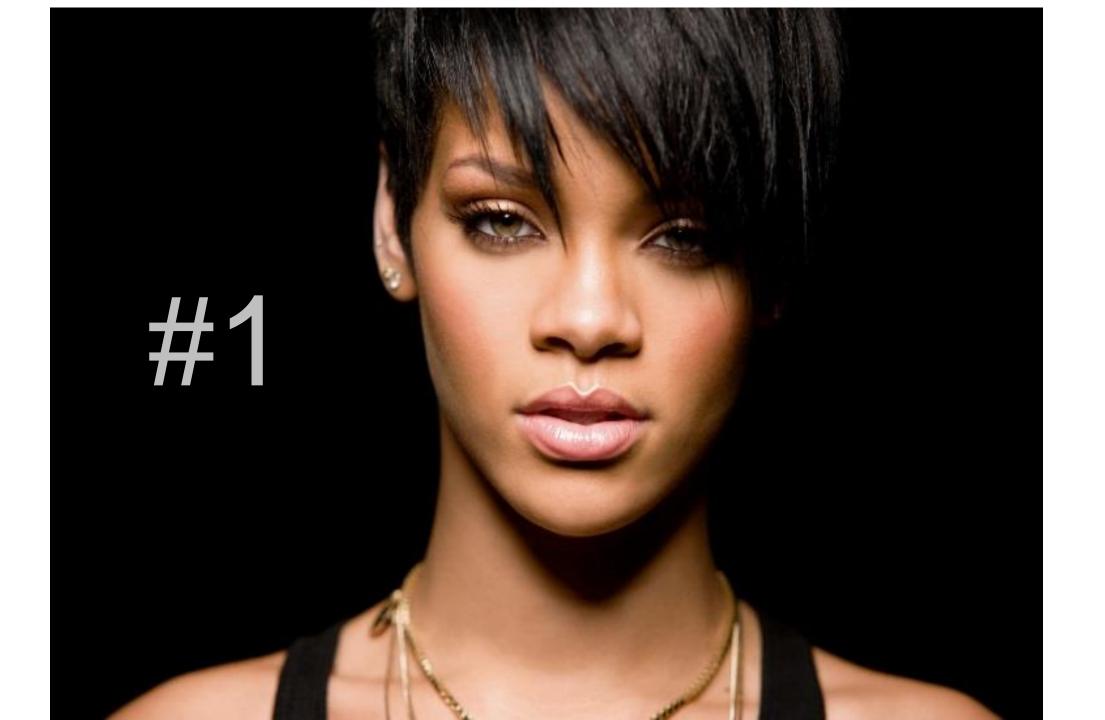
Top selling digital single artists of all time













Best selling vehicle in the world



Best Selling Vehicle in US last 40 years

Ford F-Series

THE MOST POPULAR VEHICLE IN EACH STATE, 2016

Ford F-150	AK	Ford F-150	KY	Nissan Rogue	NY
Ford F-150	AL	Ford F-150	LA	Honda Civic	ОН
GMC Sierra 1500	AR	Toyota RAV4	MA	Ford F-150	ОК
Ford F-150	ΑZ	Honda CR-V	MD	Subaru Outback	OR
Honda Civic	CA	Chevrolet Silverado 1500	ME	Honda CR-V	PA
Subaru Outback	CO	Ford Escape	МІ	Toyota RAV4	RI
Nissan Rogue	CT	Ford F-150	MN	Ford F-150	SC
Honda Civic	DC	Ford F-150	МО	Ford F-150	SD
Chevrolet Silverado 1500	DE	Ford F-150	MS	Ford F-150	TN
Toyota Corolla	FL	Ford F-150	MT	Ford F-150	TX
Ford F-150	GA	Honda Accord	NC	Ford F-150	UT
Toyota Tacoma	HI	Ford F-150	ND	Honda CR-V	VA
Chevrolet Silverado 1500	IA	Ford F-150	NE	Toyota RAV4	VT
Ford F-150	ID	Chevrolet Silverado 1500	NH	Subaru Outback	WA
Honda CR-V	IL	Honda CR-V	NJ	Chevrolet Silverado 1500	WI
Chevrolet Silverado 1500	IN	Ford F-150	NM	Chevrolet Silverado 1500	WV
Ford F-150	KS	Toyota RAV4	NV	Ford F-150	WY

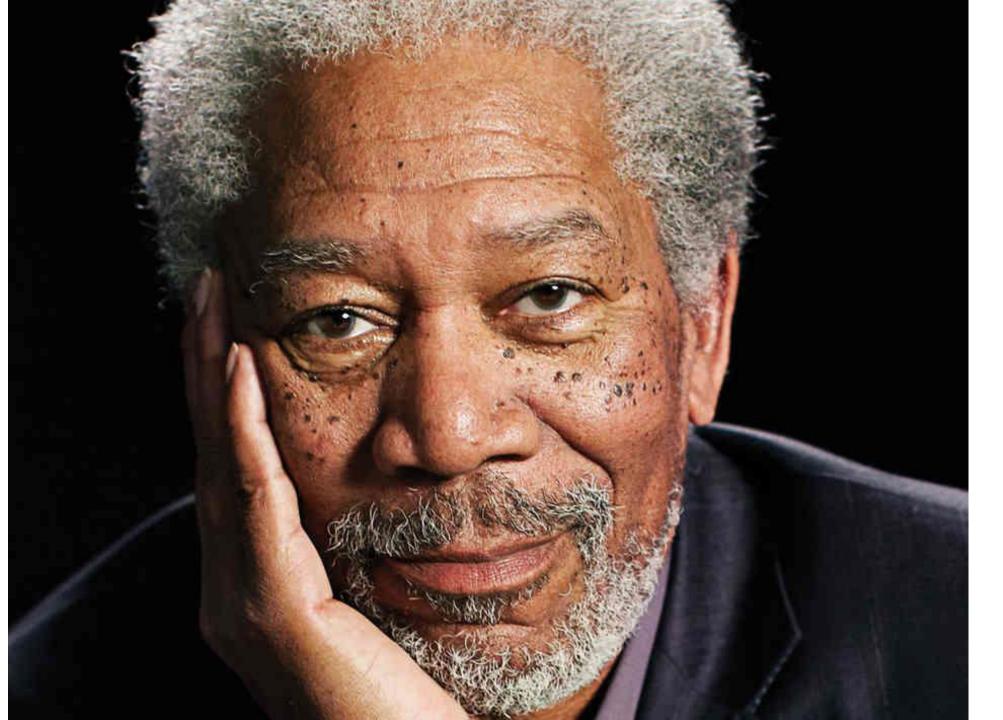
Best selling candy bar in US





#6
Scarlett
Johansson





#5

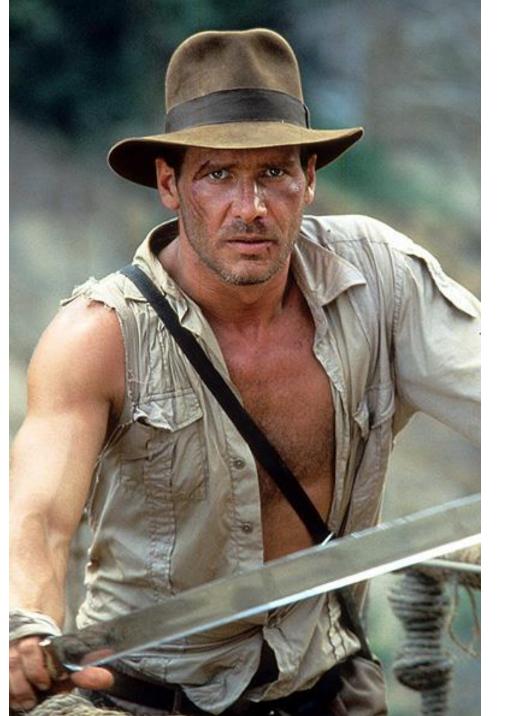
Morgan Freeman

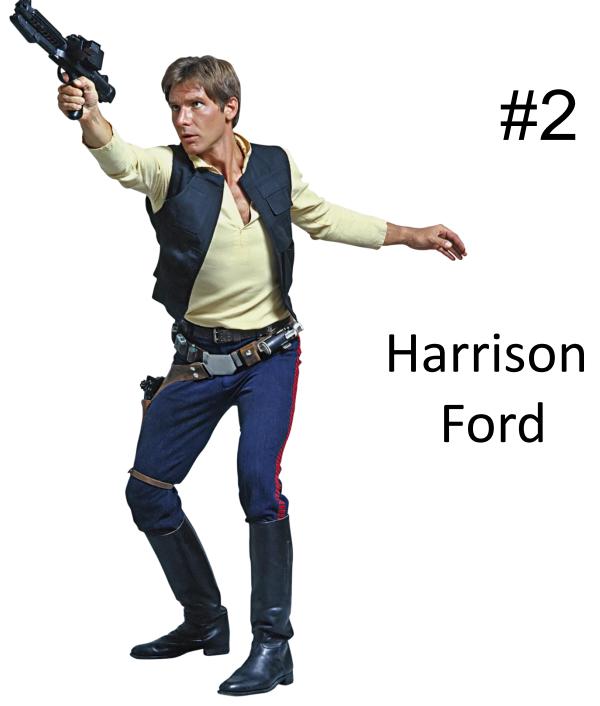


#4

Tom Hanks

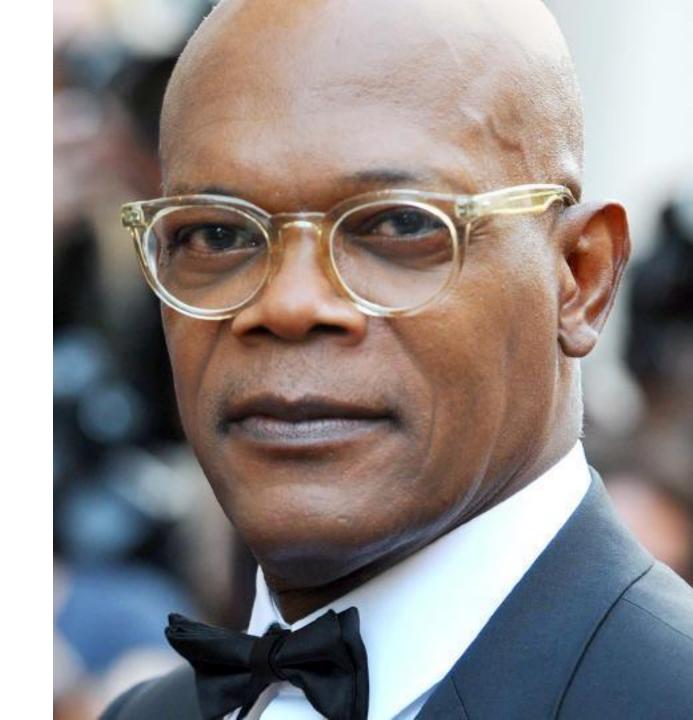






#1

Samuel Jackson



What do all of these have in common?

5) PREFERENCES



Supply and Demand Hands?

DEMAND HAND ONLY!!!

III. Supply, p.60 Thinking like a producer

Quantity Supplied

- the amount of a commodity that a firm plans to sell in a given time period at a given price.

The law of supply

- as the price for which a good can be sold increases, the quantity of that good that is supplied will increase, ceteris paribus How much would you have to be paid to be willing to shave your head?



Price:	Quantity Supplied

Price:	Quantity Supplied
\$0	
\$200	
\$1,000	
\$2,000	
\$3,000	
\$10,000	

Price:	Quantity Supplied
\$0	1
\$200	
\$1,000	
\$2,000	
\$3,000	
\$10,000	

Price:	Quantity Supplied
\$0	1
\$200	2
\$1,000	
\$2,000	
\$3,000	
\$10,000	

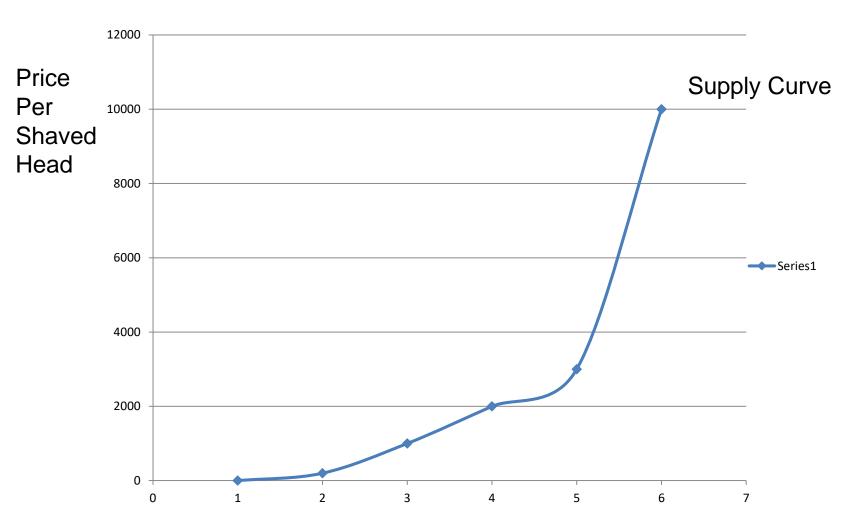
Price:	Quantity Supplied
\$0	1
\$200	2
\$1,000	3
\$2,000	
\$3,000	
\$10,000	

Price:	Quantity Supplied
\$0	1
\$200	2
\$1,000	3
\$2,000	4
\$3,000	
\$10,000	

Price:	Quantity Supplied
\$0	1
\$200	2
\$1,000	3
\$2,000	4
\$3,000	5
\$10,000	

Price:	Quantity Supplied
\$0	1
\$200	2
\$1,000	3
\$2,000	4
\$3,000	5
\$10,000	6

Supply of shaved heads



Quantity of Shaved Heads Supplied

Supply of shaved heads

Underlying the upward slope

Opportunity cost of production
 The Law of Increasing Costs (inc. marginal opp. Cost)- to supply additional units of a good, producers have greater opportunity costs, so the price must rise to induce producers to supply greater quantities.

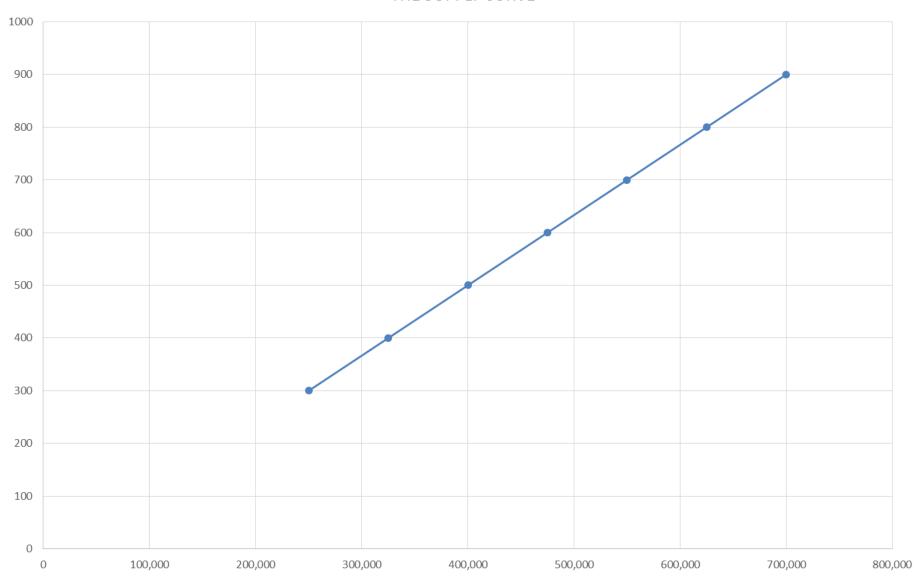


Supply Schedule:
shows the
relationship
between the price
level and the
quantity supplied.
P. 61

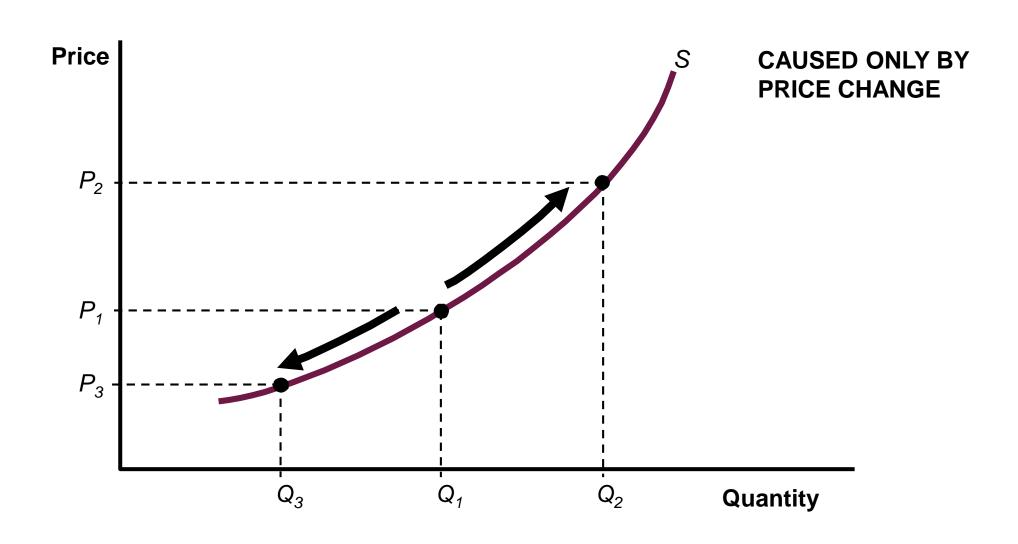
Price: Monthly rent per apartment	Quantity: Apartments per month
\$900	700,000
\$800	625,000
\$700	550,000
\$600	475,000
\$500	400,000
\$400	325,000
\$300	250,000

P. 61

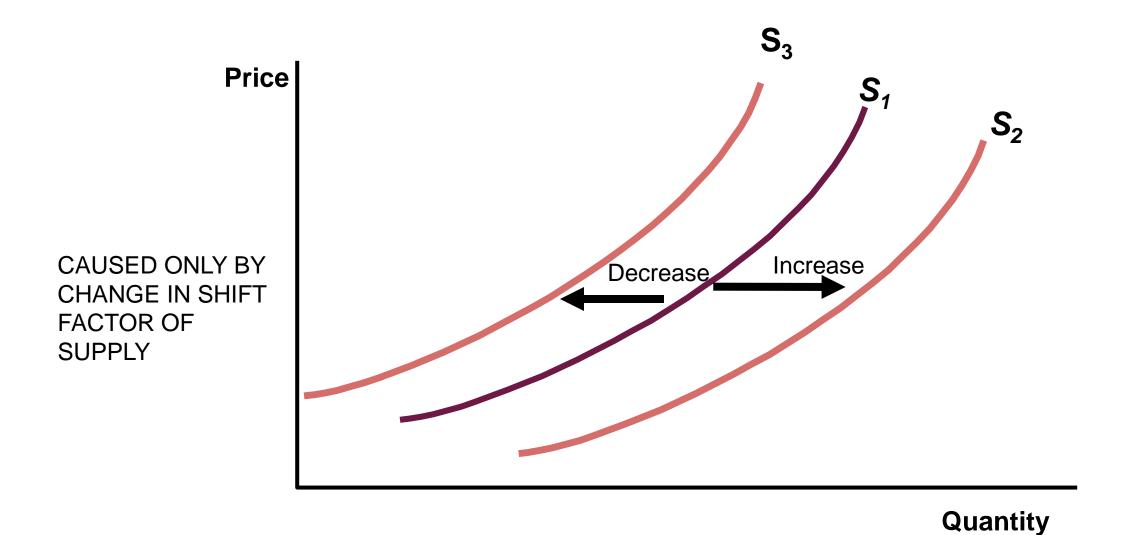
THE SUPPLY CURVE



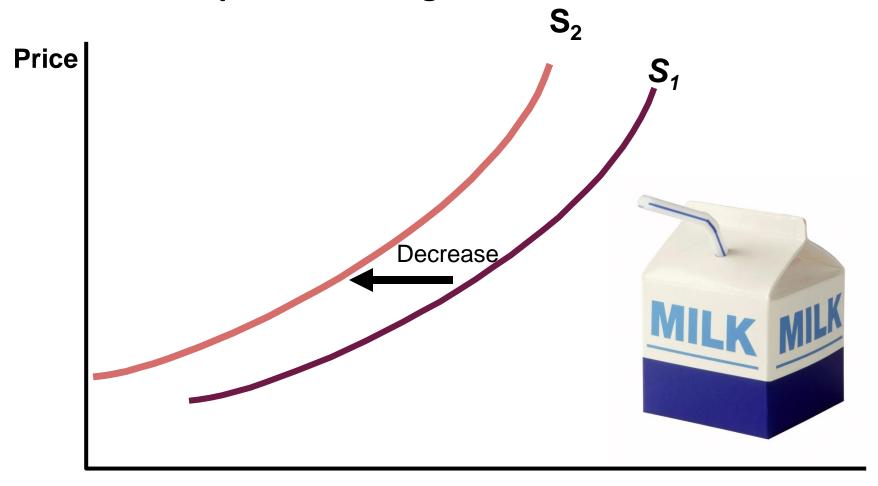
Changes in Quantity Supplied (graph 1), p. 63



Graph (2): Shift in Supply

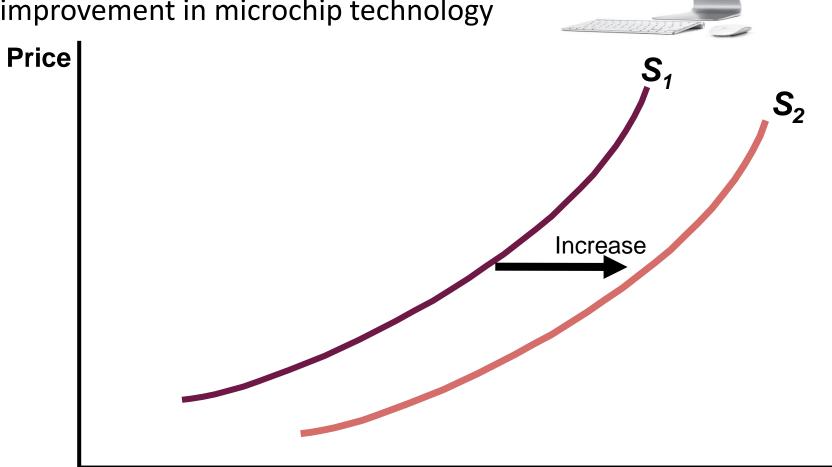


1) Prices of factors of production (input prices) p.64 the market for milk when the price of feed grain rises



2) Technology

market for computers improvement in microchip technology

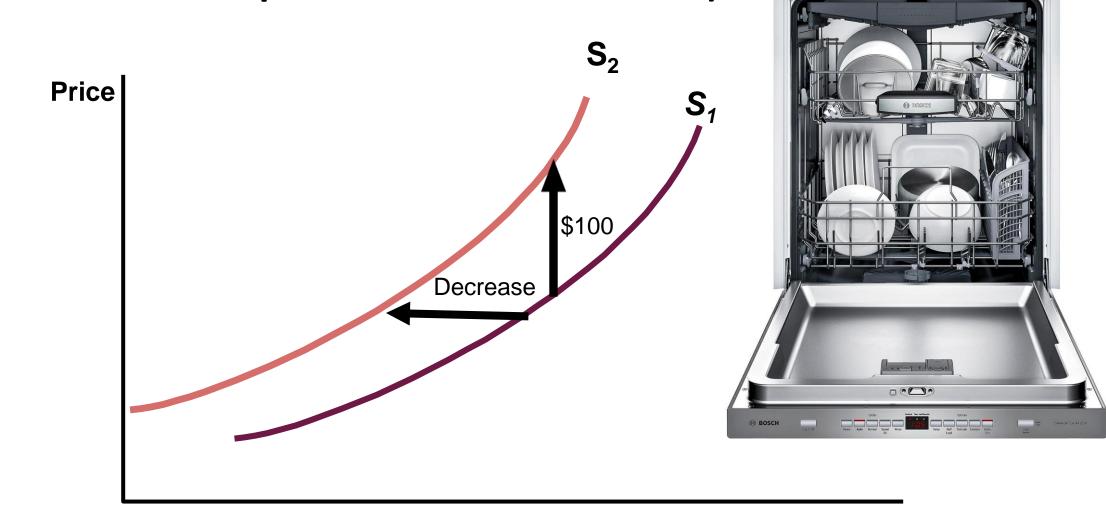


Other Shift Factors of Supply, p. 65

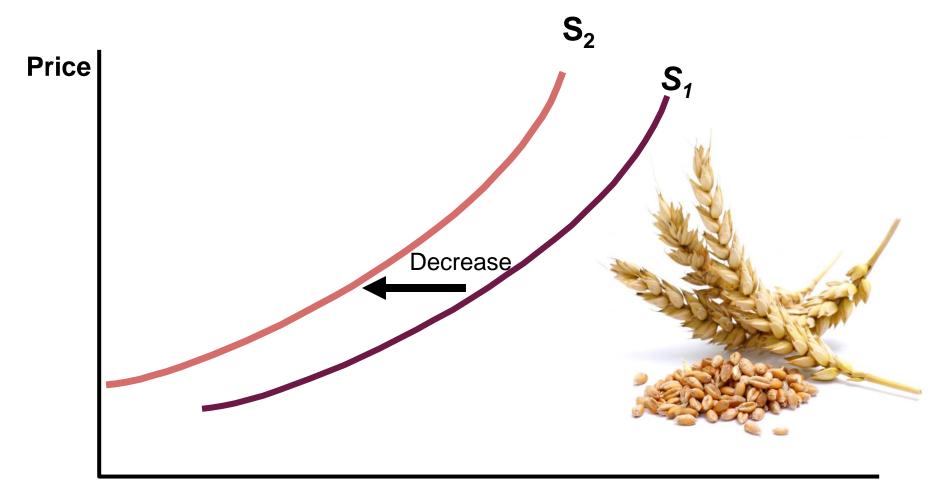
- 3) Number of Producers in Market
- 4) Expectations about future
- 5) Taxes on producer (reduce supply) and
- Subsidies to producer (increase supply)
- 6) Natural disaster, elements of nature, political disruptions (government shutdown)

5) Tax (a tariff on imported dishwashers) (\$100 per dishwasher)

(add in)-market for imported dishwashers in US)

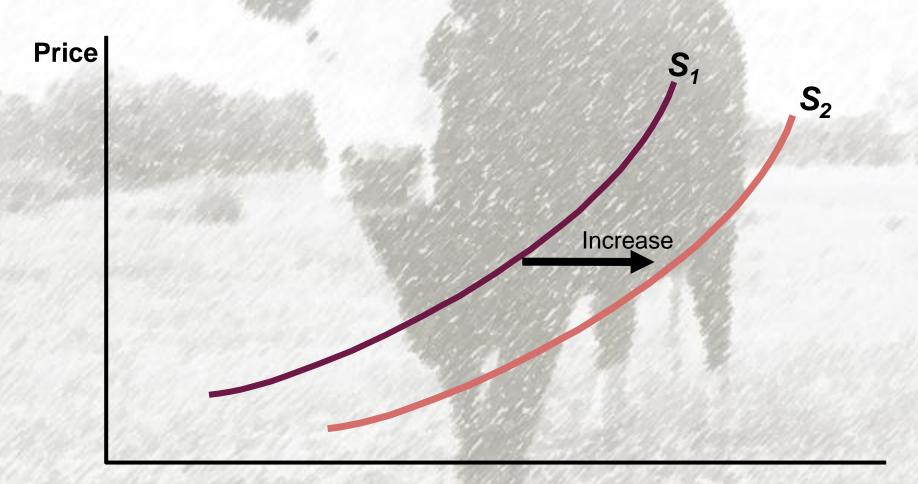


7) Prices of good related in production, p. 66
i) Substitutes in Production
The <u>market for wheat</u> when the <u>price of corn</u> rises. (for biofuel use)



Quantity

7) Prices of good related in production, p. 66
ii) Complements in Production
The market for raw leather when the price of beef rises.



Quantity