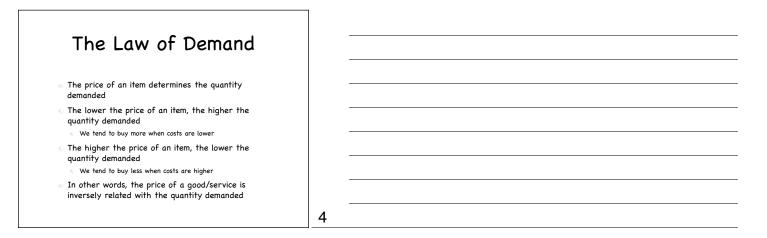
Supply and Demand Coach Burnett AP Macroeconomics	1	
Price and Quantity		

- Price the amount of money paid for an economic good/service.
- Ex. A gallon of gas is roughly \$3.00 a gallon (national average) OUCH!!!
- 2

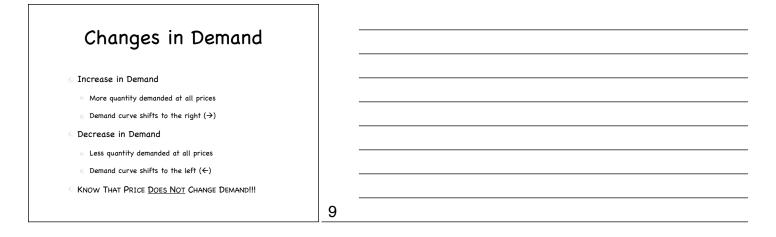
Demand

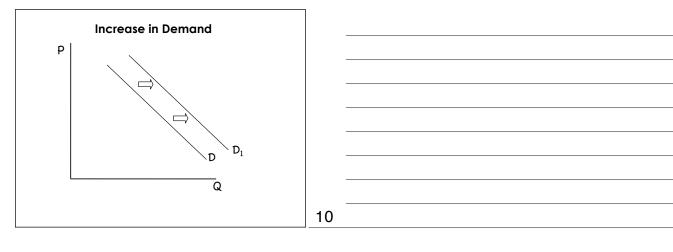
- A consumers' willingness and ability to buy an item at a given price.
- Willingness means that buyers must want the item.
 Ability means that buyers must have the financial resources to afford the item.
- IT IS IMPORTANT TO UNDERSTAND THAT DEMAND DOES NOT REFER TO A NUMERICAL AMOUNT, BUT INSTEAD IT REFERS TO A BEHAVIOR!

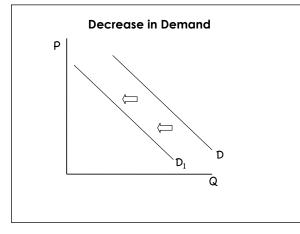




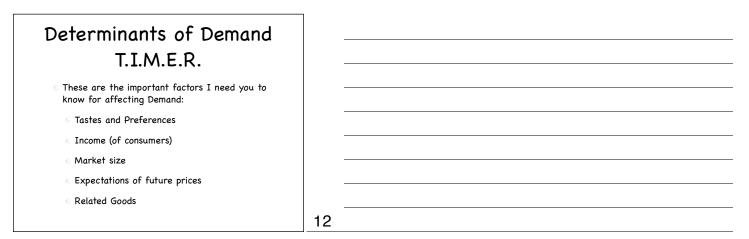
- Each additional unit of an item purchased gives less marginal utility (benefit) than the previous. Therefore, I will only continue buying more if the price is lower
 - Ex. When a movie is really good (such as Avatar) I watch it 2 or 3 times in theaters but typically not any more because the marginal utility (benefit) of consecutive viewings are not worth the cost incurred.











Determinants of Demand T.I.M.E.R.

Tastes and Preferences

- Tastes and preferences are affected by advertising, consumer trends, health considerations, etc.
- Example: In the early 2000's, Demand for "Tall Tee" XXXXXL shirts rose significantly when rappers began wearing them in their music videos.
- © Example: Demand for sushi decreased after the Fukushima Reactor disaster in Japan

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Sadly, white middle class America were the biggest consumers of this craze and looked rather ridiculous in the process. I hope you or your family members were not casualties of this fad...

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Determinants of Demand T.I.M.E.R.

Income of consumers

- When consumer income increases:
 - Demand for normal goods or services increases and demand for inferior goods and services decreases
 - S Example: Higher income = better food (steaks)
- When consumer income decreases:
 - Demand for normal goods or services decreases and demand for inferior goods and services increases
 - S Example: Lower income = worse food (Ramen)

Determinants of Demand T.I.M.E.R.	
Market size (AKA population)	
More population = more demand	
 Example: As Killeen has grown in size so has our appetite for different types of restaurants. 	
Less population = less demand	
Example: Back in the early 1990's during Gulf Storm, Killeenite's demand for military surplus	
stores decreased.	
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Determinants of Demand T.I.M.E.R.

Expectations of Future Prices

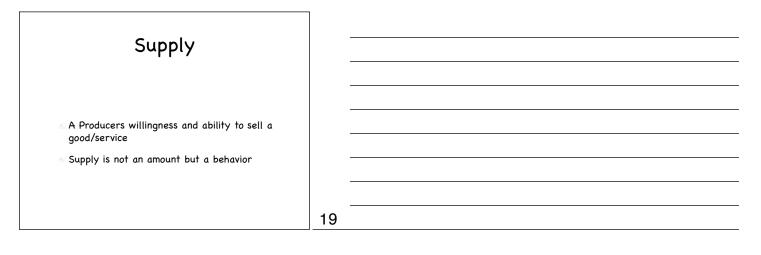
- If consumers expect prices to rise in the future, then demand increases now.
- Right before major holidays many consumers will fill up their gas tanks in preparation for higher prices, thus increasing demand.
- If consumers expect prices to fall in the future, then demand decreases now.
 - If parents know that video game systems will go on sale around the holidays, they will wait to buy their children new systems, thus decreasing demand.

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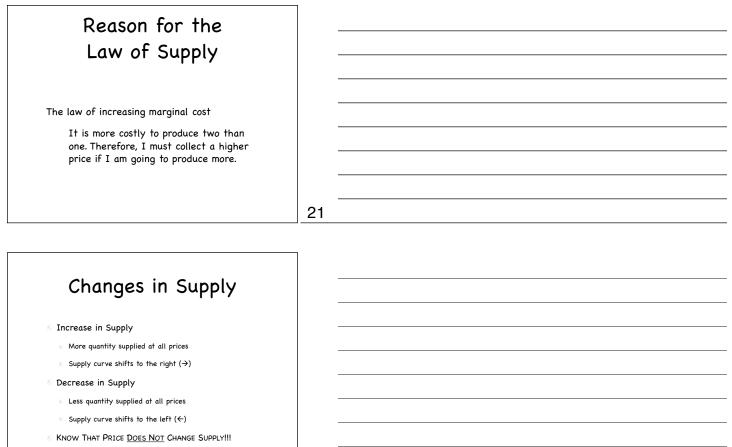
Determinants of Demand T.I.M.E.R.

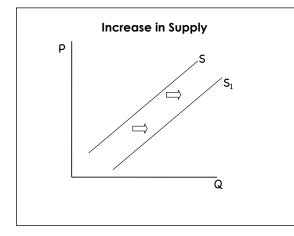
Related Goods

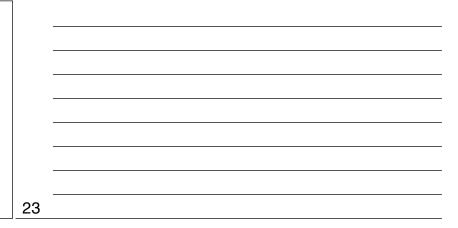
- Complements goods or services used together
 - Example: When I go to H.E.B. to buy Peanut Butter, I always get Jelly to go along with it.
- Substitutes goods or services that are used in lieu of other goods or services
 - Example: When the cost of going to the movies rises, many men turn to Netflix and Red Box for date night.

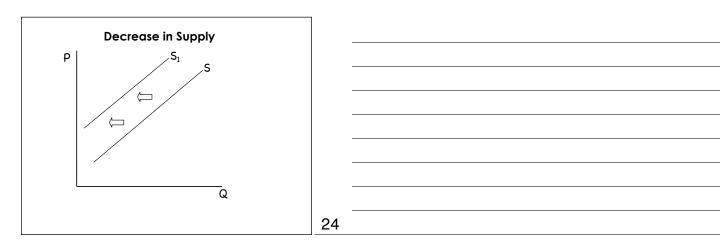


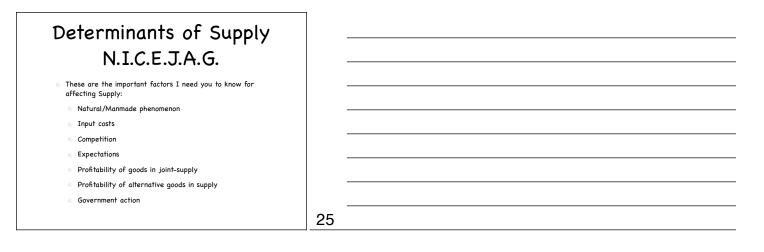
The Law of Supply					
\odot The price of an item determines the quantity supplied					
$_{\odot}$ The lower the price the lower the quantity supplied					
 When goods/services command a low price, I tend to produce less of them 					
$_{\odot}$ The higher the price the higher the quantity supplied					
 When goods/services command a higher price, I tend to produce more of them 					
Otherefore, the price of a good/service is directly related with the quantity supplied					
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Determinants of Supply N.I.C.E.J.A.G.

Satural/Manmade Phenomenon

Satural disasters

Weather

Wars

Riots

- Strikes
- S Etc.

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Determinants of Supply N.I.C.E.J.A.G.

Input Costs

 Prices of raw materials or other factors of production

© Changes in technology

 Changes in productivity (efficiency gains or losses)

Determinants of Supply N.I.C.E.J.A.G.		
© Competition		
 Number of producers in the market 		
Fewer producers = less supply		
More producers = more supply		
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Determinants of Supply N.I.C.E.J.A.G.

Expected Prices

If producers expect prices to rise in the future, then they supply less now, so that they can sell their good/service at the future higher price

- Ex: If you expect your stocks to increase in value, then you are inclined not to sell them now, but instead wait until the price rises
- If producers expect prices to fall in the future then they supply more now while prices are still relatively higher
 - Ex: H.E.B. will begin stocking their shelves full of seasonal supplies months in advance before it goes on clearance

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Determinants of Supply N.I.C.E.J.A.G.

• Profitability of goods in joint-supply

- If the supply of beef increases, then the supply of leather increases as well
- If the supply of rhino meat increases, then the supply of ivory increases as well

<u>Think by-products!</u>

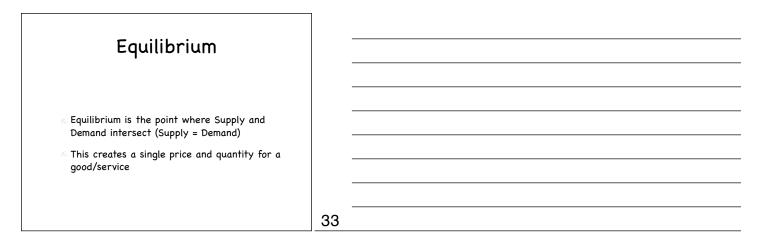
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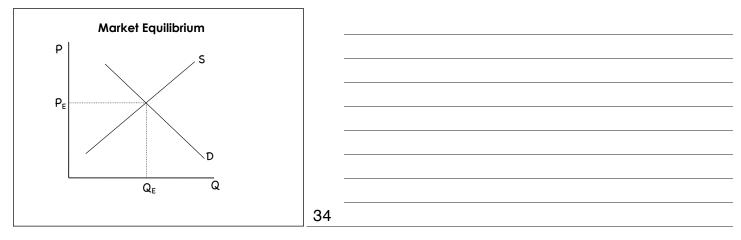
Determinants of Supply N.I.C.E.J.A.G.

• Profitability of alternative goods in supply

- If farmers can make more money growing apples instead of oranges, then the supply of apples will increase and the supply of oranges will decrease
- If auto manufacturers can make more money selling SUV's instead of sedans, then the supply of SUV's will increase while the supply of sedans will decrease
- Remember scarcity! There is only a finite amount available so choices must always be made (i.e. opportunity cost)

Determinants of Supply N.I.C.E.J.A.G.	
© Government action	
© Business taxes	
© Regulation	
© Subsidies	
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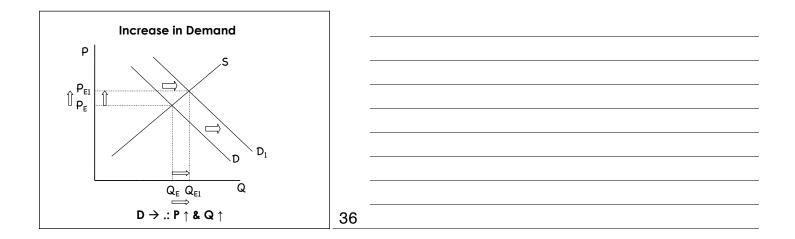


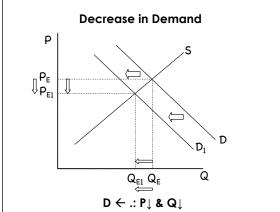


Changes in Equilibrium

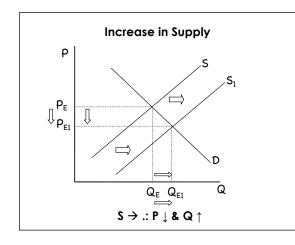
- When Supply and/or Demand change, the equilibrium price and quantity change
 - If Demand increases, then the price increases and quantity increases
 - If Demand decreases, then the price decreases and the quantity decreases
 - If Supply increases, then the price decreases and the quantity increases
 - If Supply decreases, then the price increases and the quantity decreases



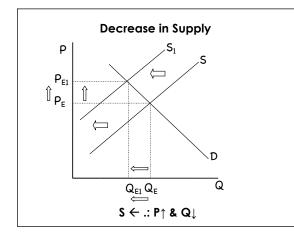


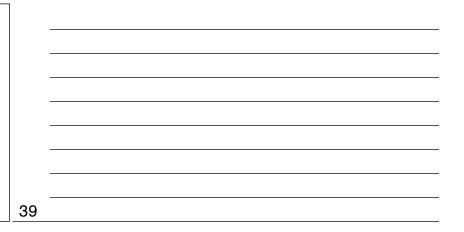


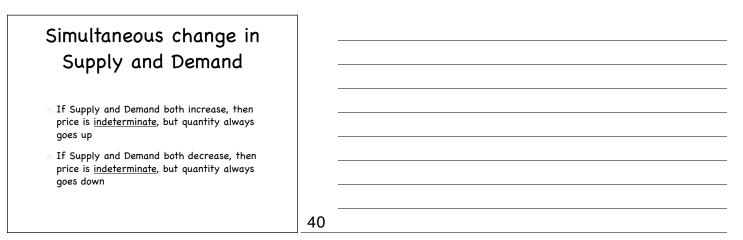


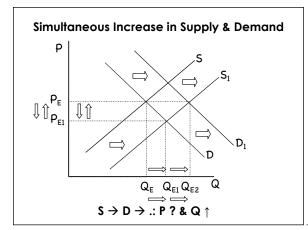




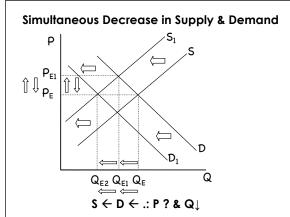














Simultaneous Changes in Supply and Demand

- If supply decreases while demand increases, then price definitely increases while quantity is indeterminate
- If supply increases while demand decreases, then price definitely decreases while quantity is indeterminate

