

Markets and Competition

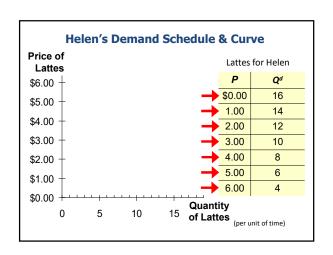
- market
- competitive market
- perfectly competitive
 - "price takers"

(Assumptions!)

_	people
	 systematically , purposeful try to achieve objectives
	evaluate costs and benefits of
	incremental adjustments to an existing plan (MB vs MC
	respond to incentives
	information
	No

Demand						
• Demand						
1)						
2)						
Quantity demanded						
• Law of demand: the claim that the Q^d of a good when its price (P)						
rises, other things being equal (ceteris paribus)						

Demand scheduleDemand curve	Helen				
	Price of lattes	Q ^d of lattes			
	\$0.00	16			
	1.00	14			
	2.00	12			
	3.00	10			
	4.00	8			
	5.00	6			
	6.00	4			

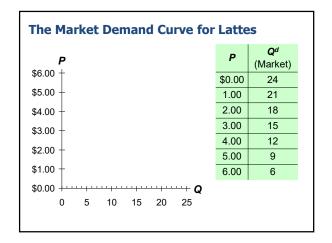


Market Demand vs Individual Demand

Market demand

Assume only two buyers: Helen and Ken

Price	Helen's Q ^d		Ken's Q ^d		Market Q ^d
\$0.00	16	+	8	=	24
1.00	14	+		=	21
2.00	12	+		=	18
3.00	10	+	5	=	
4.00	8	+	4	=	12
5.00	6	+	3	=	
6.00	4	+	2	=	6

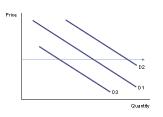


Demand Curve Shifters:

(non-price determinants)

"...other things equal."

- Number of buyers: population generated changes



Demand Curve Shifters:

(non-price determinants)

"...other things equal."

-Income

1) Normal goods

Income Demand

Demand Curve Shifters: (non-price determinants)

"...other things equal."

-Income

2) Inferior goods

Income Demand

Demand Curve Shifters:

"...other things equal."

Prices of related goods

1) Substitutes (in consumption)





Demand Curve Shifters: "...other things equal." - Prices of related goods 2) Complements (in consumption) Demand for

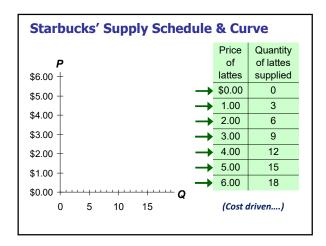
Demand Curve Shifters:
other things equal." — Tastes
— Expectations

Terms for Shift vs. Movement Along Curve Demand vs. Quantity Demanded						
Demand vs. Quai	itity Demanded					
• Change in	_					
• Change in the along a fixed D curve — occurs when P changes	: a movement					

Summary: Varia	bles that affect Deman
Variable	A change in this variable
Price	causes a movement along the D curve
Number of buyers	shifts the D curve
Income	shifts the D curve
Price of related goods	shifts the D curve
Tastes	shifts the D curve
Expectations	shifts the D curve

Supply	
• Supply 1) 2)	
Quantity supplied	
• Law of supply: the claim that the Q ^s of a good when its P rises, other things equal (ceteris paribus)	

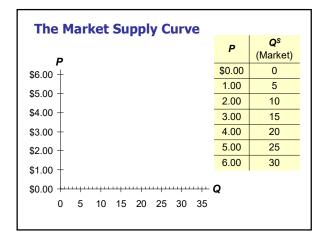
The Supply Schedule						
Supply schedule						
• Supply curve	Price of lattes	Quantity of lattes supplied				
	\$0.00	0				
	1.00	3				
	2.00	6				
	3.00	9				
	4.00	12				
	5.00	15				
	6.00	18				
	0.00					

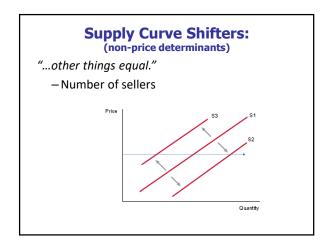


Market Supply versus Individual Supply

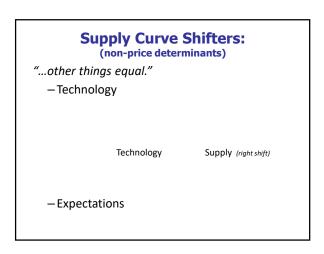
- Market supply
- Assume only two sellers Starbucks and Jitters

Price	Starbucks		Jitters		Market Q ^s
\$0.00	0	+	0	=	0
1.00	3	+	2	=	
2.00	6	+		=	10
3.00	9	+	6	=	15
4.00	12	+	8	=	
5.00	15	+	10	=	25
6.00	18	+	12	=	30





Supply Curve Shifters: (non-price determinants) "...other things equal." - Input prices • e.g. wages, raw materials Input prices Supply (left shift)



Supply Curve Shifters: (non-price determinants)

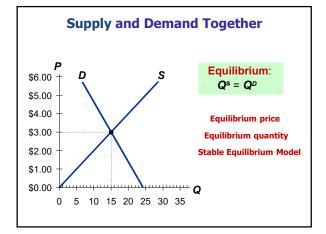
"...other things equal."

Depending on the definitions of the above, some authors include:

- -Government ___
 - e.g. taxes, subsidies, regulations
- "Natural" Production Conditions
- Prices of Substitutes in Production

Terms for Shift vs. Movement Along Curve

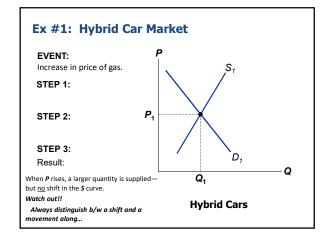
- Change in _____: a shift in the S curve
 - occurs when a non-price determinant of supply changes (e.g. technology)
- Change in the _____: a movement along a fixed \$ curve
 - occurs when **P** changes

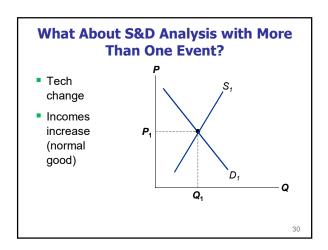


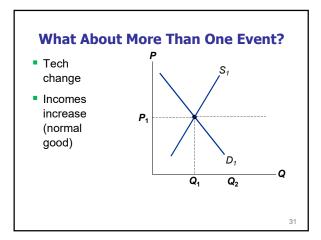
Using the Supply & Demand Model: Analyzing Events Affecting the Market

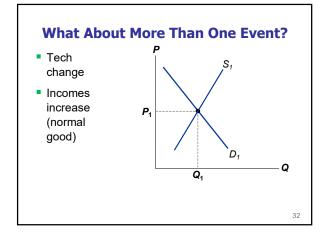
To determine the effects of any event,

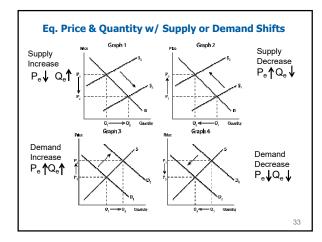
- 1. Decide whether event shifts _____ curve, ____ curve, or _____ .
- 2. Decide in _____ curve shifts.
- **3.** Use supply-demand diagram to see how the shift changes eq'm **P** and **Q**.











"The Westfield Valley Fair Mall straddles two cities. One side of the mall is in Santa Clara, but walk a few feet down the mall, and you're in San Jose. In 2012, San Jose voters agreed to raise the city's minimum wage from \$8 to \$10 an hour. On the \$10-an-hour side of the mall, stores like Wetzel's Pretzels have different problems. Suddenly, the shop had to pay the lowest-wage workers more — 25 percent more. That was great for the employees, but a challenge for the owner, Yvonne Ryzak."

- http://www.npr.org/blogs/money/2014/08/28/343430393/a-mall-withtwo-minimum-wages
- 1) Using the supply and demand model (3 step process), describe graphically what happened to the pretzel market operating on the San Jose side of the mall. (clicker question)
- 2) With a competing pretzel shop operating on the lower-wage side of the mall, what challenges face Ms. Ryzak?

2.4