

Look for the answers to these questions:

- What is consumer surplus? How is it related to the demand curve?
- What is producer surplus? How is it related to the supply curve?
- Do markets produce a desirable allocation of resources? Or could the market outcome be improved upon?

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N		Willi	ngness to Pay (WTP)		
• /	A buyer'	s willi	ngness to pay for a good		
	-Maxim	um ar	mount the buyer will pay for		
	that go	bod			
	-How m	uch t	he buyer values the good		
	name	WTP	Evample		
	Anthony	\$250	4 buvers' WTP		
	Kenny	175	for an iPad		
	Quan	300			
	John	125			
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	V	VTP	and the Demand Curve		
Q: iP	If price ad, and	of iPa what	ad is \$200, who will buy an is quantity demanded?		
	name	WTP	A: Anthony & Quan will buy an		
	Anthony	\$250	iPad, Kenny & John Will not.		
	Kenny	175	Hence, $Q^{u} = 2$ when $P = 200		
	Quan	300	when $r = 3200$.		
	John	125			
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	V	VTP a	and the	Demand Cu	rve	
•	Derive t demand	rive the nand of iPad) who buys Q ^d				
	schedul	e:	\$301 & up	nobody	0	
			251 – 300	Quan	1	
	name	WTP	(=0, 0=0		_	
	Anthony	\$250	176 – 250	Anthony, Quan	2	
	Kenny	175	126 – 175	Kenny, Anthony, Quan	3	
	Quan	300		John, Kenny,		
	John	125	0 – 125	Anthony, Quan	4	
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N	Consumer Surplus (CS)				
• (Consum	er su	rplus CS = WTP – P		
	– Amour	nt a bi	Iver is willing to pay minus the		
	amour	nt the I	ouver actually pays:		
	uniour		bayor dotaany payo.		
	name	WTP	Suppose P = \$260.		
	Anthony	\$250	Quan's CS = \$300 – 260 = \$40.		
	Kenny	175	The others get no CS because		
	Quan	300	they do not buy at this price.		
	John	125	Total CS = \$40.		
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lanagemer	nt system for classroom use				















			Producer Surplus				
•	Cost						
	-Value	e of ev	erything a seller must give up to				
	produce a good						
	• Mea	asure c	of willingness to sell: produce and				
	501	uie go					
	name	cost	Example: Costs of 3 sellers				
	Rosy	\$10	in the lawn-cutting business.				
	Chuck	20					
	Chiang	35					
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			Produce	⁻ Surpl	us		
Derive the supply schedule from the cost data:			Р	Q⁵			
			\$0 – 9	0			
				10 – 19	1		
			1	20 – 34	2		
	name	cost		35 & up	3		
	Rosy	\$10					
	Chuck	20					
	Chiang	35					
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Adam Smith and the Invisible Hand Passages from The Wealth of Nations, 1776

"Man has almost constant occasion for the help of his brethren, and it is vain for him to expect it from their benevolence only.



"He will be more likely to prevail if he can interest their self-love in his favor, and show them that it is for their own advantage to do for him what he requires of them...

Adam Smith, 1723-1790

It is not from the benevolence of the butcher, the brewer, or the baker that we expect our dinner, but from their regard to their own interest....

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- Guides everyone in the market to the best outcome
- -Economic efficiency
- Free markets
 - -Best way to organize economic activity

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ASK THE EXPERTS

Supplying Kidneys

"A market that allows payment for human kidneys should be established on a trial basis to help extend the lives of patients with kidney disease."



The Guardian posted a touching album of... postings on streets around hospitals offering to sell organs. The posts advertise blood type—A, B, O... Kidneys for sale: Iran's trade in organs https://www.theguardian.com/society/2015/ may/10/kidneys-for-sale-organ-donation-iran Kidney trade in Iran Wikipedia Entry en.wikipedia.org/wiki/Kidney_trade_in_Iran

Road le aller dels















Summary

- An allocation of resources that maximizes total surplus is said to be efficient
 - Policymakers are concerned with the efficiency, as well as the equality, of economic outcomes.
- Equilibrium of **S** and **D** maximizes total surplus
 - The invisible hand of the marketplace leads buyers and sellers to allocate resources efficiently.
- Markets do not allocate resources efficiently in the presence of market failures (market power or externalities)

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Chapter 7: Efficiency and Welfare

- Consumer Surplus + Producer Surplus
- Total Surplus (maximized at Equilibrium)
- Efficiency vs. Equality
- Homework:
 - Mankiw, Ch.7, Problem 6, 7, 9-11

Chapter 7: Challenge Questions/ex-Midterm

- > 2008 (Multiple Choice Q6-Q7)
- ▶ 2010 Essay C
- ▶ 2013 (True/False Q8)
- ▶ 2017 Essay B3
- > 2018 Essay A5
- Additional Questions:
 - ▶ <u>True</u> or <u>False</u>. If consumers buy 1,000 heads of lettuce per week, and if the price of lettuce falls by \$1 per head, then the consumer surplus will increases by \$1,000.

Efficiency and Welfare