

In this chapter, look for the answers to these questions:

- What are price ceilings and price floors? What are some examples of each?
- How do price ceilings and price floors affect market outcomes?
- How do taxes affect market outcomes? How do the effects depend on whether the tax is imposed on buyers or sellers?
- What is the incidence of a tax? What determines the incidence?

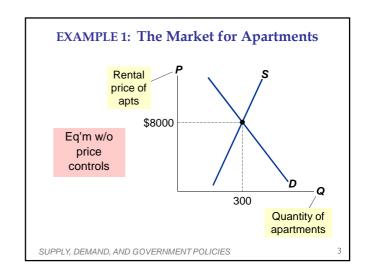
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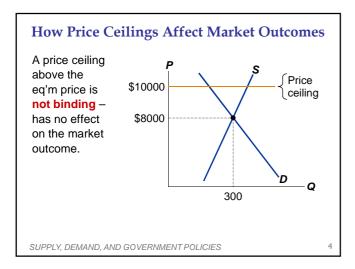
Government Policies That Alter the Private Market Outcome

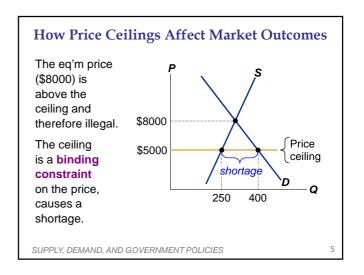
- Price controls
 - Price ceiling: a legal maximum on the price of a good or service Example: rent control
 - Price floor: a legal minimum on the price of a good or service Example: minimum wage
- Taxes
 - The govt can make buyers or sellers pay a specific amount on each unit bought/sold.

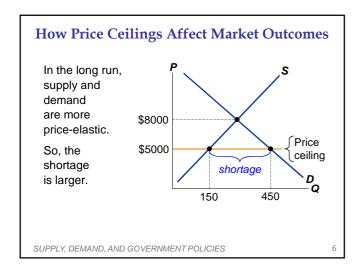
We will use the supply/demand model to see how each policy affects the market outcome (the price buyers pay, the price sellers receive, and eq'm quantity).

SUPPLE, DEMAND, AND GOVERNMENT POLICIES





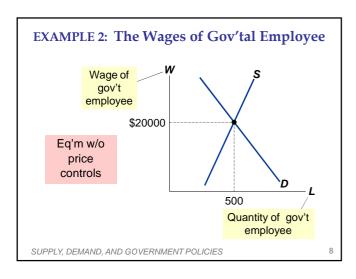


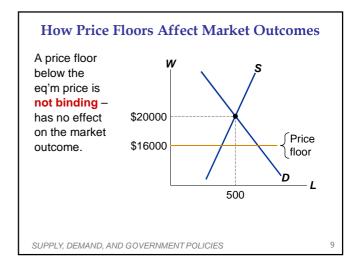


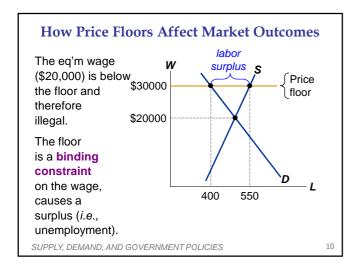
Shortages and Rationing

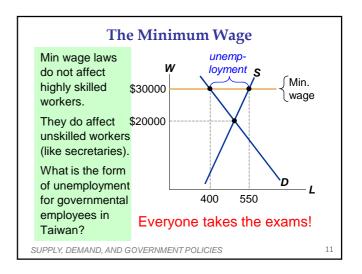
- With a shortage, sellers must ration the goods among buyers.
- Some rationing mechanisms: (1) Long lines
 (2) Discrimination according to sellers' biases
- These mechanisms are often unfair, and inefficient: the goods do not necessarily go to the buyers who value them most highly.
- In contrast, when prices are not controlled, the rationing mechanism is efficient (the goods go to the buyers that value them most highly) and impersonal (and thus fair).

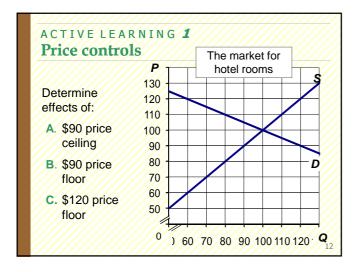
SUPPLY, DEMAND, AND GOVERNMENT POLICIES

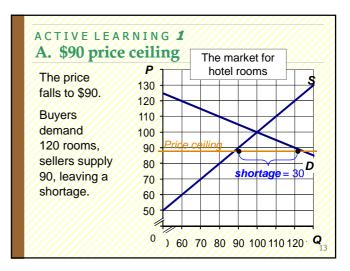


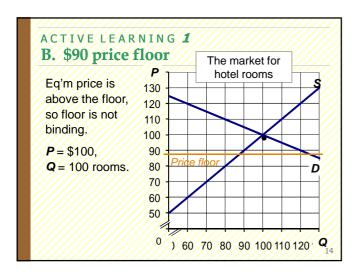


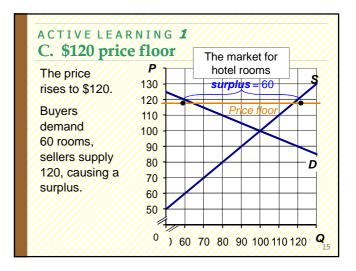












Evaluating Price Controls

- Recall one of the Ten Principles from Chapter 1: Markets are usually a good way to organize economic activity.
- Prices are the signals that guide the allocation of society's resources. This allocation is altered when policymakers restrict prices.
- Price controls often intended to help the poor, but often hurt more than help.

SUPPLY, DEMAND, AND GOVERNMENT POLICIES

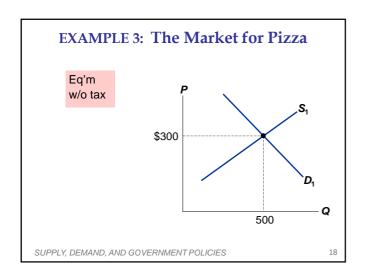
Taxes

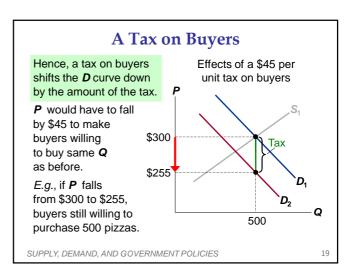
- The govt levies taxes on many goods & services to raise revenue to pay for national defense, public schools, etc.
- The govt can make buyers or sellers pay the tax.
- The tax can be a % of the good's price, or a specific amount for each unit sold.
 - For simplicity, we analyze per-unit taxes only.

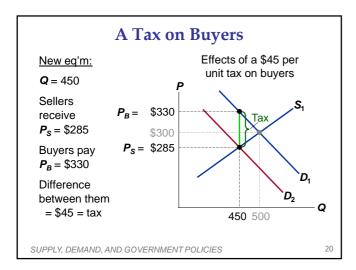
SUPPLY, DEMAND, AND GOVERNMENT POLICIES

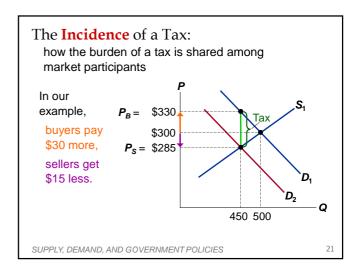
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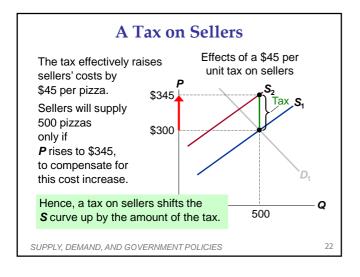
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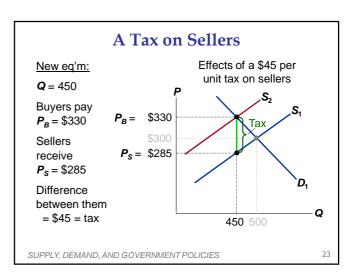


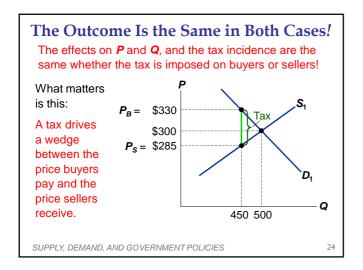


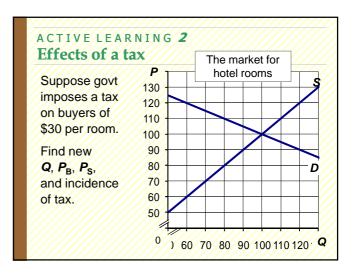


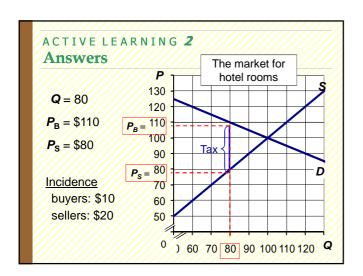


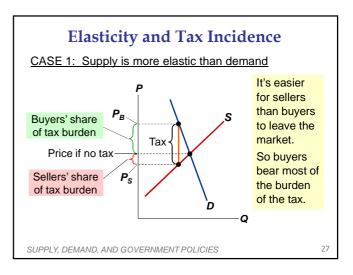


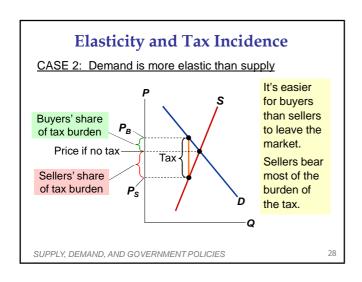










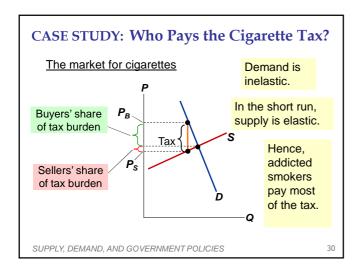


CASE STUDY: Who Pays the Cigarette Tax? 2006: Taiwan's Legislative Yuan increased the

- 2006: Taiwan's Legislative Yuan increased the cigarette tax by \$5.
- Goal of the tax: raise revenue from those who could most easily afford to pay – wealthy consumers.
- But who really pays this tax?

SUPPLY, DEMAND, AND GOVERNMENT POLICIES

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CONCLUSION: Government Policies and the Allocation of Resources

- Each of the policies in this chapter affects the allocation of society's resources.
 - Example 1: A tax on pizza reduces eq'm Q. With less production of pizza, resources (workers, ovens, cheese) will become available to other industries.
 - Example 2: A binding minimum wage causes a surplus of workers, a waste of resources.
- So, it's important for policymakers to apply such policies very carefully.

SUPPLY, DEMAND, AND GOVERNMENT POLICIES

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CHAPTER SUMMARY

- A price ceiling is a legal maximum on the price of a good. An example is rent control. If the price ceiling is below the eq'm price, it is binding and causes a shortage.
- A price floor is a legal minimum on the price of a good. An example is the minimum wage. If the price floor is above the eq'm price, it is binding and causes a surplus. The labor surplus caused by the minimum wage is unemployment.

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CHAPTER SUMMARY

- A tax on a good places a wedge between the price buyers pay and the price sellers receive, and causes the eq'm quantity to fall, whether the tax is imposed on buyers or sellers.
- The incidence of a tax is the division of the burden of the tax between buyers and sellers, and does not depend on whether the tax is imposed on buyers or sellers.
- The incidence of the tax depends on the price elasticities of supply and demand.

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Price Control and Taxation

- Markets are "good"?
- Price control is "bad"!
- Homework: Mankiw, Ch. 6, pp.132-133,
 Problem 7, 8, 10, 12, 14