N. Gregory Mankiw

Macroeconomics





Supply, Demand, and Government Policies



Premium PowerPoint Slides by Ron Cronovich

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

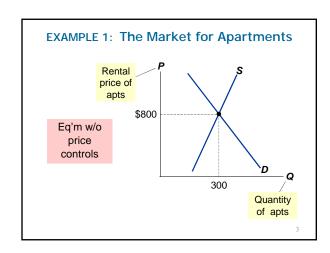
- What are price ceilings and price floors?
 What are some examples of each?
- How do price ceilings and price floors affect market outcomes?
- How do taxes affect market outcomes?
 How do the effects depend on whether the tax is imposed on buyers or sellers?
- What is the incidence of a tax?What determines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

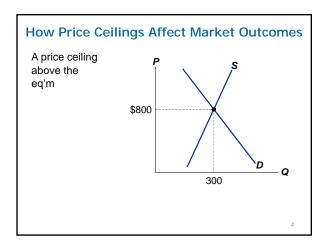
1

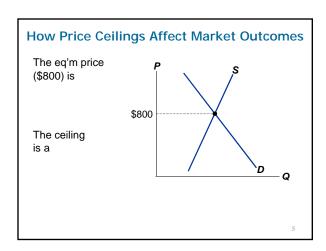
Government Policies That Alter the Private Market Outcome

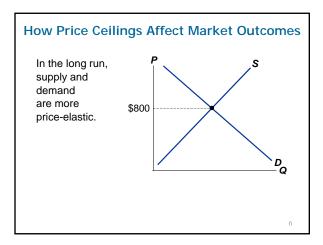
- § Price controls
 - § Price ceiling:
 - § Price floor
- § Taxes
 - § The govt can make buyers or sellers pay a specific amount on each unit.

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).





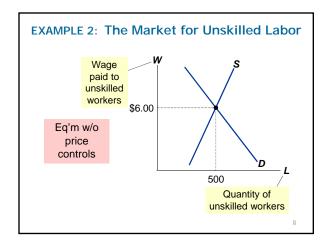


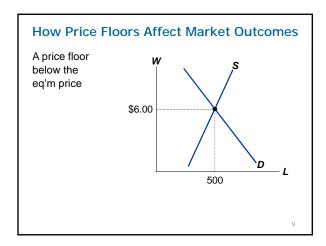


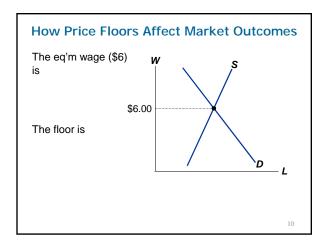
Shortages and Rationing

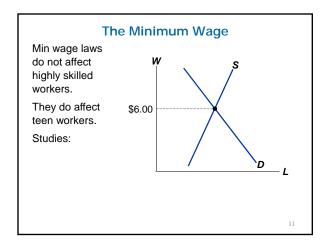
- § With a shortage, sellers must ration the goods among buyers.
- § Some rationing mechanisms:
- § These mechanisms are often unfair, and inefficient:
- § In contrast, when prices are not controlled, the rationing mechanism is

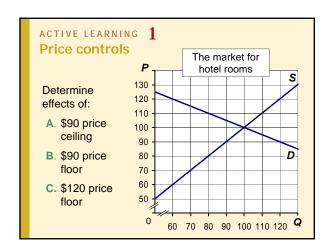
7

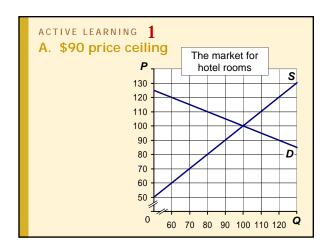


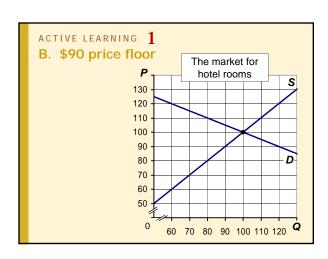


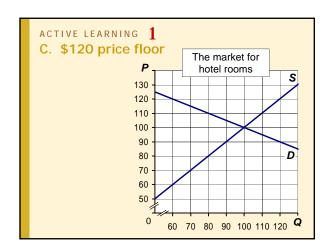












Evaluating Price Controls

§ Recall one of the Ten Principles from Chapter 1: Markets are usually a good way to organize economic activity.

§

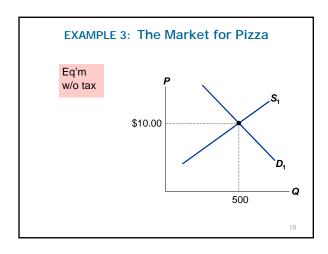
§ Price controls often intended to help the poor, but often hurt more than help.

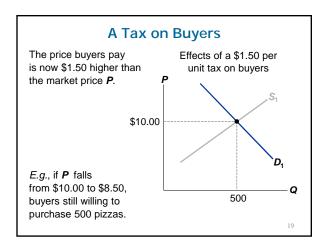
16

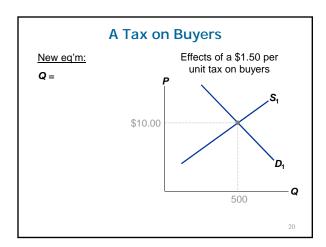
Taxes

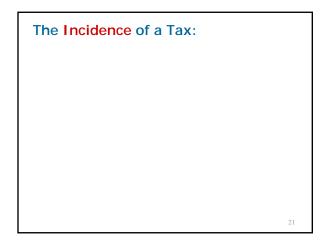
- § The govt levies taxes on many goods & services to raise revenue to pay for national defense, public schools, etc.
- § The govt can make buyers or sellers pay the tax.
- § The tax can be a % of the good's price, or a specific amount for each unit sold.
 - § For simplicity, we analyze per-unit taxes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

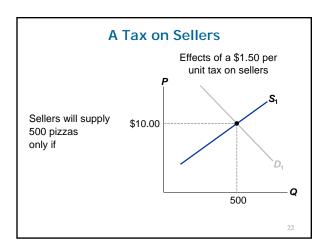
17

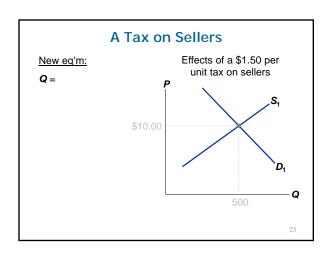


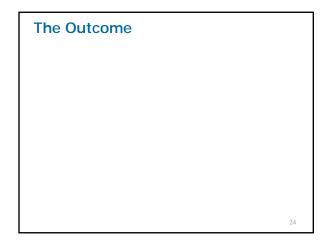


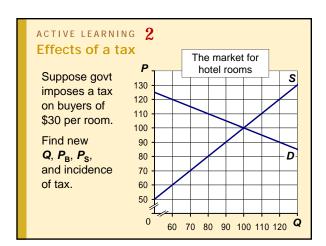


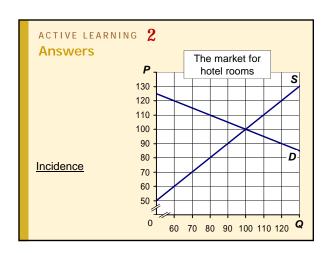


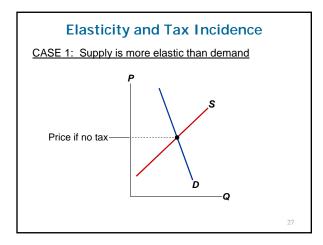


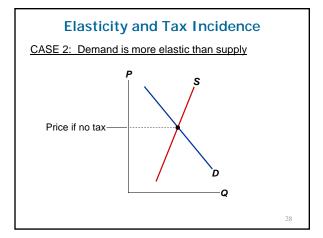








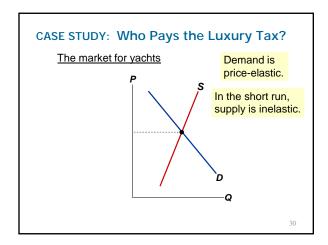




CASE STUDY: Who Pays the Luxury Tax?

- § 1990: Congress adopted a luxury tax on yachts, private airplanes, furs, expensive cars, etc.
- § Goal: raise revenue from those who could most easily afford to pay—wealthy consumers.
- § But who really pays this tax?

29



ACTIVE LEARNING 3 The 2011 payroll tax cut

- § Prior to 2011, the Social Security payroll tax was 6.2% taken from workers' pay and 6.2% paid by employers (total 12.4%).
- § The Tax Relief Act (2010) reduces the worker's portion from 6.2% to 4.2% (for 2011 only), but leaves the employer's portion at 6.2%.

QUESTION:

Will the typical worker's take-home pay rise by exactly 2%, more than 2%, or less than 2%? Do any elasticities affect your answer? Explain.

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 § Example 2: A binding minimum wage causes § So, it's important for policymakers to apply such policies very carefully.