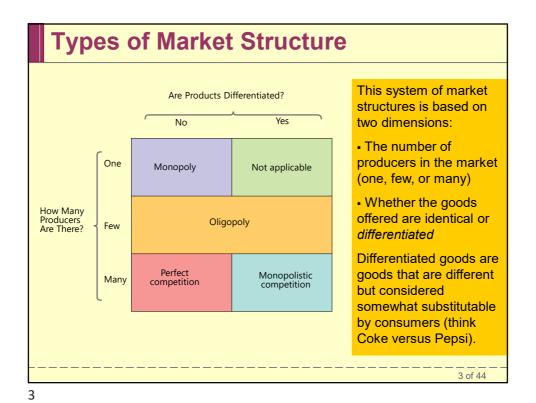


WHAT YOU WILL LEARN IN THIS CHAPTER

- The significance of monopoly, where a single monopolist is the only producer of a good
- How a monopolist determines its profit-maximizing output and price
- The difference between monopoly and perfect competition, and the effects of that difference on society's welfare
- How policy makers address the problems posed by monopoly
- What price discrimination is, and why it is so prevalent when producers have market power

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What a Monopolist Does Price 2. ... and raises price. Equilibrium is at C, where the price is P_C and the quantity is Q_C. A monopolist reduces the quantity QM Quantity supplied to Q_M , and 1. Compared to perfect competition, a monopolist reduces output... moves up the demand curve from C to M, raising the price to P_M .

Why Do Monopolies Exist?

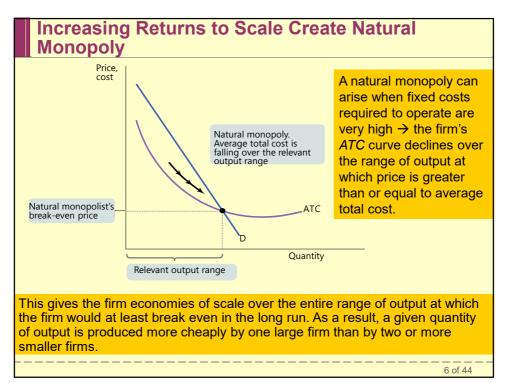
A *monopolist* has *market power* and as a result will charge higher prices and produce less output than a competitive industry. This generates profit for the monopolist in the short run and long run.

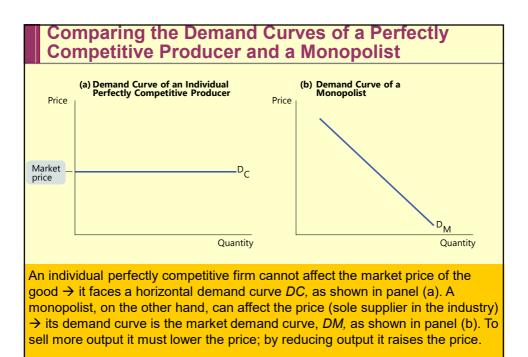
Profits will not persist in the long run unless there is a **barrier to entry**. This can take the form of:

- control of natural resources or inputs
- increasing returns to scale
- technological superiority
- government-created barriers including patents and copyrights

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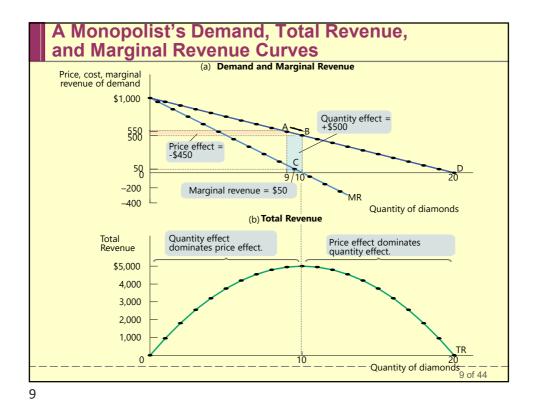




How a Monopolist Maximizes Profit

- An increase in production by a monopolist has two opposing effects on revenue:
 - A **quantity effect**. One more unit is sold, increasing total revenue by the price at which the unit is sold.
 - A price effect. In order to sell the last unit, the monopolist must cut the market price on all units sold. This decreases total revenue.
- The quantity effect and the price effect are illustrated by the two shaded areas in panel (a) of the following figure based on the numbers on the table accompanying it.

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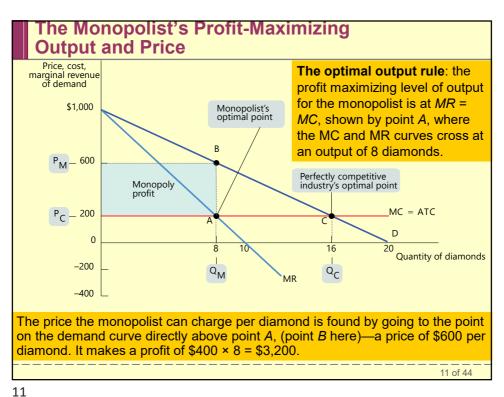


The Monopolist's Profit-Maximizing Output and Price

- To maximize profit, the monopolist compares marginal cost with marginal revenue.
- If marginal revenue exceeds marginal cost, the monopolist increases profit by producing more; if marginal revenue is less than marginal cost, the monopolist increases profit by producing less. So the monopolist maximizes its profit by using the optimal output rule:
- At the monopolist's profit-maximizing quantity of output:

MR = MC

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Monopoly Versus Perfect Competition

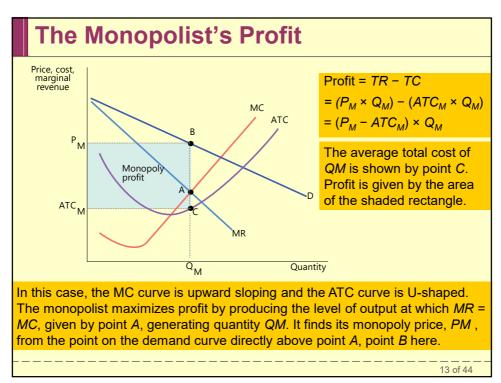
P = MC at the perfectly competitive firm's profitmaximizing quantity of output

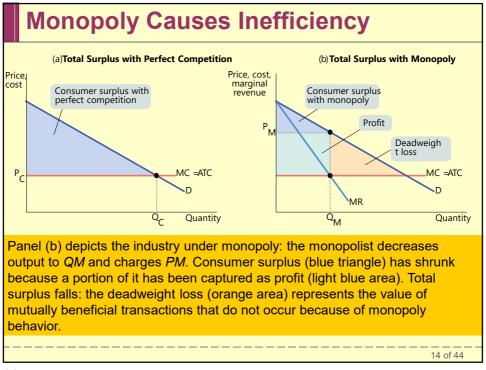
P > MR = MC at the monopolist's profit-maximizing quantity of output

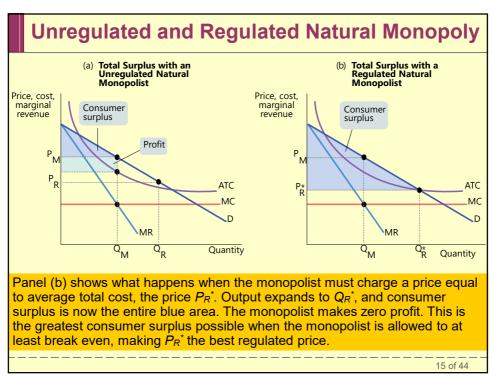
Compared with a competitive industry, a monopolist does the following:

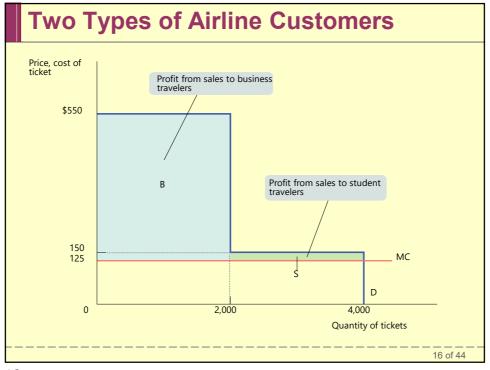
- Produces a smaller quantity: QM < QC
- Charges a higher price: PM > PC
- Earns a profit

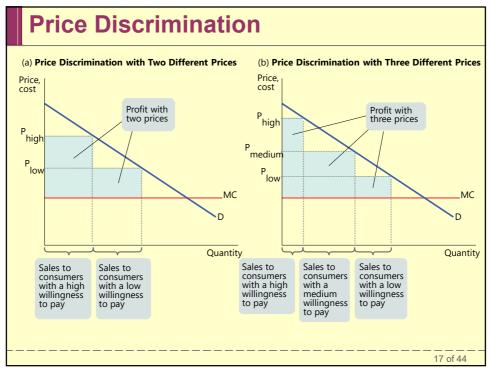
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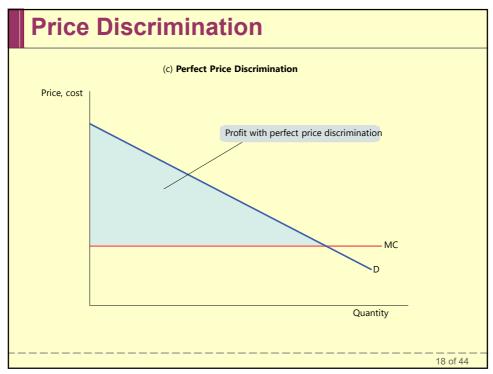












The End of Chapter 13

Coming attraction:
Chapter 14:
Oligopoly

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