

Chapter 6: Price Controls

Vocabulary

Price Controls	an attempt to set prices through government regulations in the market
Price Ceiling	a legally established maximum price for a good or service
Black Markets	illegal markets that arise when price controls are in place
Rent Control	a price ceiling that applies to the market for apartment rentals
Price Gouging Laws	temporary ceilings on the prices that sellers can charge during times of emergency
Price Floor	a legally established minimum price for a good or service
Minimum Wage	the lowest hourly wage rate that firms may legally pay their workers
Non-Binding Price Controls	price ceiling is above the equilibrium price
Binding Price Ceiling	price ceiling is below the equilibrium price
Binding Price Floor	price floor above the equilibrium price
Non-binding price floor	price floor below the equilibrium price

Relationships

Binding Price Ceilings cause...	shortages, decrease in good quality, opportunity of finding the good will increase, black markets for the good will increase, smaller quantity supplied, and higher price for those who purchase the good on the black market
Non-binding Price Ceilings...	do not influence the market
Binding Price Ceiling in the short run versus long run	in the short run there is a shortage (along with the other consequences described above) and in the long run the shortage expands)
Price Floors result from...	political pressures of suppliers to keep prices high
Price gouging laws cause...	the same consequences as the a binding price ceiling HOWEVER this is temporary as the market will return to normal after the disaster is over
Non-binding price floors...	have no impact on the market
Binding Price Floors cause...	a surplus, illegal discounts to reduce the surplus, producers are worse off, smaller quantity demanded, black market to eliminate surplus
Binding Price Floors in the short run versus long run	in the short run there is a surplus (along with the other consequences described above) and in the long run the surplus expands
Minimum wage laws cause...	increased unemployment, less hours for employees, and worse benefits



Market Inefficiencies

Definitions

Externalities	the costs or benefits of a market activity that affect a third party
Market Failure	condition occurring when there is an inefficient allocation of resources in a market
Internal Costs	the costs of a market activity paid only by an individual participant
External Costs	the costs of a market activity imposed on people who are not participants in that market
Social Costs	the sum of the internal costs and external costs of a market activity
Third-Party Problem	a situation in which those not directly involved in a market activity experience negative or positive externalities
Social Optimum	the price and quantity combination that would exist if there were no externalities
Internalize	relating to a firm's handling of externalities, to take into account the external costs (or benefits) to society that occur as a result of the firm's actions
Property Rights	an owner's ability to exercise control over a resource
Private Property	provision of an exclusive right of ownership that allows for the use, and especially the exchange, of property
Coase Theorem	theorem stating that if there are no barriers to negotiations, and if property rights are fully specified, interested parties will bargain to correct externalities
Excludable Good	a good for which access can be limited to paying customers
Rival Good	a good that cannot be enjoyed by more than one person at a time
Private Good	excludable and rival
Public Good	Non-excludable and nonrival; a good that can be consumed by more than one person, and from which nonpayers are difficult to exclude
Free-Rider Problem	phenomenon occurring when someone receives a benefit without having to pay for it
Club Good	nonrival and excludable
Common-resource good	rival and nonexcludable



Market Inefficiencies (cont)

Cost-benefit analysis	a process that economists use to determine whether the benefits of providing a public good outweigh the costs
Tragedy of the Commons	the depletion of a common-resource good
Cap and Trade	an approach used to curb pollution by creating a system of emissions permits that are traded in an open market

Relationships

Correct negative externalities with...	taxes or charges
Correct positive externalities with...	subsidies or government provision

Business Costs and Production

Vocabulary

Total Revenue	the amount a firm receives from the sale of goods and services
Total Cost	the amount a firm spends to produce and/or sell goods and services
Profit	the result when total revenue is higher than total cost
Loss	the result when total revenue is less than total cost
Explicit Costs	tangible out-of-pocket expenses
implicit costs	the costs of resources already owned, for which no out-of-pocket payment is made
Accounting Profit	profit calculated by subtracting a firm's explicit costs from total revenue
Economic Profit	profit calculated by subtracting both the explicit costs and the implicit costs from a firm's total revenue
Output	the production the firm creates
Factors of Production	the inputs (labor, land, and capital) used in producing goods and services
Production Function	the relationship between the inputs a firm uses and the output it creates
Marginal Product	the change in output associated with one additional unit of an input
Diminishing Marginal Product	condition occurring when successive increases in inputs are associated with a slower rise in output
Variable Costs	costs that change with the rate of output
Fixed Costs	costs that do not vary with a firm's output in the short run; also known as overhead
Average Variable Cost (AVC)	an amount determined by dividing a firm's total variable costs by the output



Business Costs and Production (cont)

Average Fixed Cost (AFC)	an amount determined by dividing a firm's total fixed costs by the output
Average Total Cost (ATC)	the sum of average variable cost and average fixed cost
Marginal Cost (MC)	the increase in cost that occurs from producing one additional unit of output
Scale	the size of the production process
Efficient Scale	the output level that minimizes average total cost in the long run
Economies of Scale	condition occurring when long-run average total costs decline as output expands
Diseconomies of Scale	condition occurring when long-run average total costs rise as output expands
Constant Returns to scale (or constant economies of scale)	condition occurring when long-run average total costs remain constant as output expands

Equations and relationships

average fixed costs curve	will never increase gets closer and closer to zero
average variable costs curve	parabola-ish shaped above average fixed costs curve
average total costs curve	parabola-ish shaped above average variable costs curve
marginal costs curve	parabola-ish shaped above average fixed costs curve and below average variable cost curve and crosses average variable cost curve and average total costs curve at their minimum

total cost = explicit costs + implicit costs

profit (or loss) = total revenues - total costs

accounting profit = total revenue - explicit costs

economic profit = total revenues - (explicit costs + implicit costs)

economic profit = accounting profit - implicit costs

Total costs = total variable costs + total fixed costs

average variable cost = total variable cost / quantity

average fixed cost = total fixed cost / quantity

average total cost = total total cost / quantity

average total cost = average variable cost + average fixed cost

marginal cost = change in total variable cost / change in quantity

marginal cost = change in total cost / change in quantity

in the long run the average total cost curve for...

diseconomies of scale increases

constant returns to scale levels out

economies of scale decreases



Understanding Monopolies (cont)

natural monopoly the situation that occurs when a single large firm has lower costs than any potential smaller competitor

price maker a firm with some control over the price it charges

rent seeking occurs when resources are used to secure monopoly rights through the political process

Relationships

the lowest a government can force a monopoly to charge is at the breakeven point

Conditions to become a monopoly unique product/service, a way to prevent competitors from entering the market

Natural Barriers to entry control of resources, problems raising capital, economies of scale

government-created barriers licensing, patents and copyright law

characteristics of monopolies one seller, a unique product without close substitutes, high barriers to entry, price making, may earn long-run economic profits, produces less than the efficient level of output (because $P > MC$)

demand curve for competitive firm versus monopoly competitive firm: horizontal; monopolist: downward sloping

price effect how a lower price affects revenue

output effects how a lower price reflects the number of consumers

profit-maximizing rule for monopolies produce at the quantity where $MC = MR$ but set price at where that quantity intersects the demand curve

calculate monopoly profit price minus ATC times quantity

problems with monopoly inefficient output and price, few choices for consumers, rent seeking

solutions to the problems of monopoly breaking up the monopoly, reducing trade barriers, regulating markets

Link to Graph Document

<https://docs.google.com/document/d/1oOCFD-5JjJpghhxC2W4pTVPwqSu4Sxxa86qszWiasNo/edit?usp=sharing>



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Not published yet.
Last updated 25th October, 2022.
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