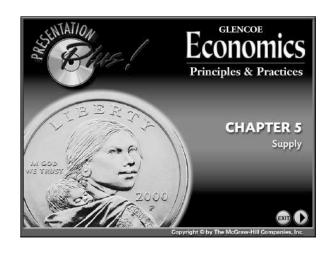
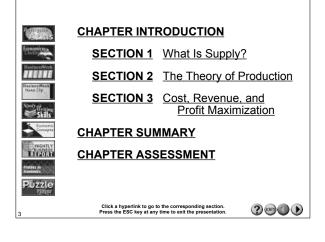
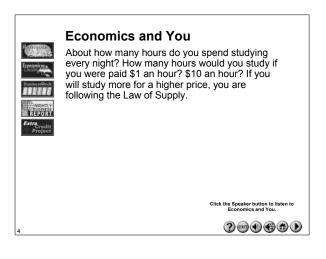
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# **Chapter Objectives**

# Section 1: What Is Supply?

- Understand the difference between the supply schedule and the supply curve. 4
- Explain how market supply curves are derived. 

  •
- Specify the reasons for a change in supply.

Click the mouse button or press the Space Bar to display the information.





# **Chapter Objectives**

# **Section 2: The Theory of Production**

- Explain the theory of production. #
- Describe the three stages of production.

Click the mouse button or press the Space B





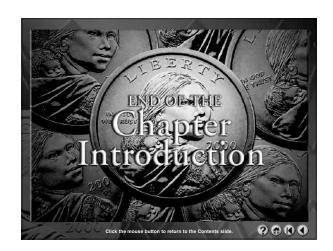
# **Chapter Objectives**

# Section 3: Cost, Revenue, and Profit Maximization

- Define four key measures of cost. #
- Identify two key measures of revenue. 

  •
- Apply incremental analysis to business decisions.







### Study Guide







Main Idea

For almost any good or service, the higher the price, the larger the quantity that will be offered for sale. 4

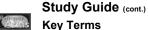


# Reading Strategy

Graphic Organizer As you read the section, complete a graphic organizer similar to the one on page 113 of your textbook by describing how supply differs from demand.

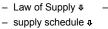












- change in supply # supply curve ₽ subsidy ₽

- market supply curve ₽

supply elasticity ₽

supplied 4

### **Objectives**

After studying this section, you will be able to: •

- Understand the difference between the supply schedule and the supply curve.

Click the mouse button or press the Space Bar to display the information. Section 1 begins on page 113 of your textbook.





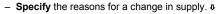


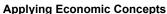


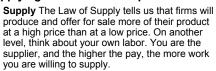












Click the Speaker button to listen to the Cover Story.

Click the mouse button or press the Space Bar to display the information. Section 1 begins on page 113 of your textbook.





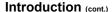




### Introduction

- The concept of supply is based on voluntary decisions made by producers, whether they are proprietorships working out of home offices or large corporations operating out of downtown corporate headquarters. 4
- For example, a producer might decide to offer one amount for sale at one price and a different quantity at another price.











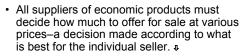
- Supply, then, is defined as the amount of a product that would be offered for sale at all possible prices that could prevail in the market. .
- Because the producer is receiving payment for his or her products, it should come as no surprise that more will be offered at higher prices. #
- This forms the basis for the Law of Supply, the principle that suppliers will normally offer more for sale at high prices and less at lower prices.

Click the mouse button or press the Space Bar to display the information.



# **An Introduction to Supply**







- · What is best depends, in turn, upon the cost of producing the goods or services. 4
- The concept of supply, like demand, can be illustrated in the form of a table or a graph.

Click the mouse button or press the Space Bar to display the information.



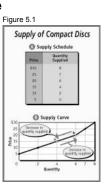




# The Supply Schedule



The supply schedule is a listing of the various quantities of a particular product supplied at all possible prices in the market.



?**\*\*\***(4)

# The Supply Schedule (cont.)



The only real difference between a supply schedule and a demand schedule is that prices and quantities now move in the same direction for supply-rather than in opposite directions as in the case of demand.





### The Individual Supply Curve

- The data presented in the supply schedule can also be illustrated graphically as an upward-sloping line. 4
- To draw it, we transfer each of the pricequantity observations in the schedule over to the graph, and then connect the points to form the curve. #
- The result is a supply curve, a graph showing the various quantities supplied at each and every price that might prevail in the market.

Click the mouse button or press the Space Bar to display the information.





### The Individual Supply Curve (cont.)

- All normal supply curves slope from the lower left-hand corner of the graph to the upper right-hand corner. 4
- This is a positive slope and shows that if one of the values goes up, the other will go up too.

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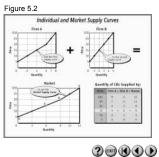




# The Market Supply Curve

The market supply curve shows the quantities offered at various prices by all firms that

offer the product for sale in a given market.



# **Change in Quantity Supplied**





- The **quantity supplied** is the amount that producers bring to market at any given price. 4
- A change in quantity supplied is the change in amount offered for sale in response to a change in price. 4
- Note that the change in quantity supplied can be an increase or a decrease, depending on whether more or less of a product is offered.







# Change in Quantity Supplied (cont.)

 While the interaction of supply and demand usually determines the final price for the product, the producer has the freedom to adjust production.



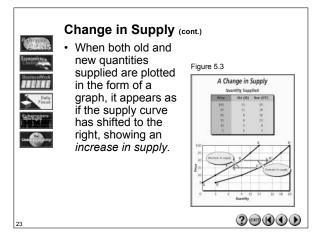
# **Change in Supply**

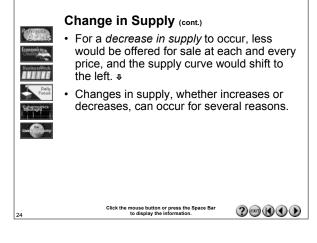
 Sometimes something happens to cause a change in supply, a situation where suppliers offer different amounts of products for sale at all possible prices in the market.

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### **Cost of Inputs**











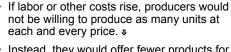
- · A change in the cost of inputs can cause a change in supply. 4
- Supply might increase because of a decrease in the cost of inputs, such as labor or packaging. 4
- If the price of the inputs drops, producers are willing to produce more of a product at each and every price, thereby shifting the supply curve to the right.

Click the mouse button or press the Space Bar to display the information.



# Cost of Inputs (cont.)





Instead, they would offer fewer products for sale, and the supply curve would shift to the left.

Click the mouse button or press the Space Bar to display the information.









### **Productivity**







- When management motivates its workers, or if workers decide to work more efficiently, productivity should increase. #
- The result is that more is produced at every price, which shifts the supply curve to the right. #
- On the other hand, if workers are unmotivated, untrained, or unhappy, productivity could decrease. 4
- The supply curve shifts to the left because fewer goods are brought to the market at every possible price.

Click the mouse button or press the Space Bar



# **Technology**







- · New technology tends to shift the supply curve to the right. .
- The introduction of a new machine, chemical, or industrial process can affect supply by lowering the cost of production or by increasing productivity. #
- When production costs go down, the producer is usually able to produce more goods and services at each and every price in the market.



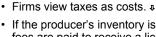
### Taxes and Subsidies











- · If the producer's inventory is taxed or if fees are paid to receive a license to produce, the cost of production goes up. 4
- This causes the supply curve to shift to the
- Or, if taxes go down production costs go down, supply then increases and the supply curve shifts to the right.

Click the mouse button or press the Space Bar to display the information.



### Taxes and Subsidies (cont.)





- A **subsidy** is a government payment to an individual, business, or other group to encourage or protect a certain type of economic activity. .
- Subsidies lower the cost of production, encouraging current producers to remain in the market and new producers to enter. #
- When subsidies are repealed, costs go up, producers leave the market, and the supply curve shifts to the left.

Click the mouse button or press the Space Bar to display the information.









### **Expectations**









On the other hand, producers may expect lower prices for their output in the future. 4

supply curve to shift to the left. 4

Expectations about the future price of a

product can also affect the supply curve. .

If producers think the price of their product will go up, they may withhold some of the

supply, causing supply to decrease and the

· In this situation, they may try to produce and sell as much as possible right away, causing the supply curve to shift to the right.

Click the mouse button or press the Space Bar to display the information.



### **Government Regulations**







- When the government establishes new regulations, the cost of production can be affected, causing a change in supply. •
- In general, increased-or tightergovernment regulations restrict supply, causing the supply curve to shift to the
- Relaxed regulations allow producers to lower the cost of production, which results in a shift of the supply curve to the right.





### **Number of Sellers**

- A change in the number of suppliers causes the market supply curve to shift to the right or left. #
- As more firms enter an industry, the supply curve shifts to the right. In other words, the larger the number of suppliers, the greater the market supply. #
- If some suppliers leave the market, fewer products are offered for sale at all possible prices. This causes supply to decrease, shifting the curve to the left.

Click the mouse button or press the Space Bar to display the information.



### Number of Sellers (cont.)



- In the real world, sellers are entering the market and leaving the market all the time. 4
- Some economic analysts believe that, at least initially, the development of the Internet will result in larger numbers entering the market than in leaving. #
- They point out that almost anyone with Internet experience and a few thousand dollars can open up his or her own Internet

Click the mouse button or press the Space Bar to display the information.







# **Elasticity of Supply**



Supply elasticity is a measure of the way in which quantity supplied responds to a change in price. 4



If a small increase in price leads to a relatively larger increase in output, supply is elastic.



If the quantity supplied changes very little, supply is inelastic.

Click the mouse button or press the Space Bar to display the information.



### **Three Elasticities**

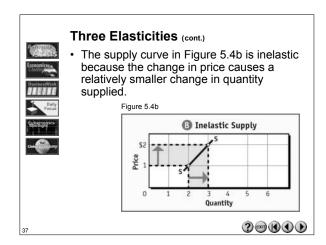


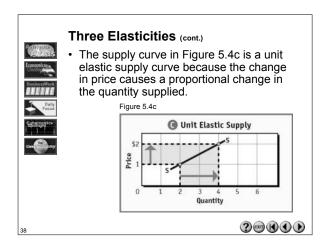
The supply curve in Figure 5.4a is elastic because the change in price causes a relatively larger change in quantity supplied.

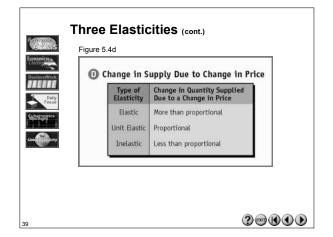


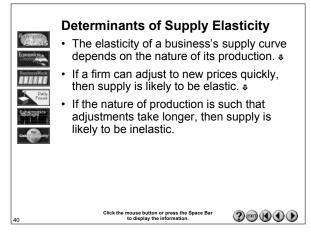
Figure 5.4a Elastic Supply Price

200 O















# **Determinants of Supply Elasticity (cont.)**

- The elasticity of supply is different from the elasticity of demand in several important respects. .
- First, the number of substitutes has no bearing on the elasticity of supply. 4
- In addition, considerations such as the ability to delay the purchase or the portion of income consumed have no relevance to supply elasticity even though they are essential for demand elasticity.

Click the mouse button or press the Space Bar to display the information.



# **Section Assessment**





Main Idea Using your notes from the graphic organizer activity on page 113 of your textbook, describe how supply is different from demand.

Demand is the desire, ability, and willingness to buy, and deals with how prices affect consumer spending. Supply is the amount of a product for sale and deals with how prices affect quantity supplied.

Click the mouse button or press the Space Bar to display the answer.



# Section Assessment (cont.)



Describe the difference between the Supply schedule and the supply curve.



A Schedule. table form Schedule: information on supply in

Curve: same information in graphic





### Section Assessment (cont.)

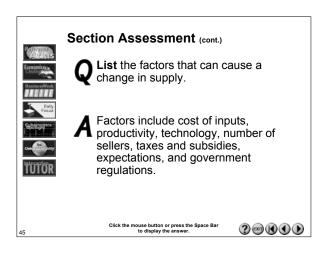


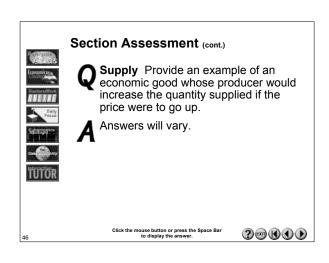
Describe how market supply curves Q are obtained.

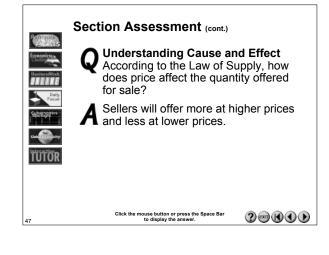


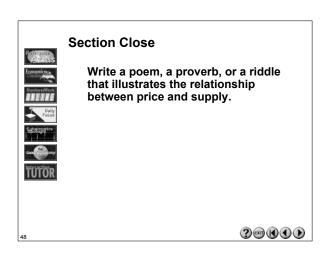
Determine amount produced by A Determine amount produces 2, individual firms. Add numbers and plot on a graph.

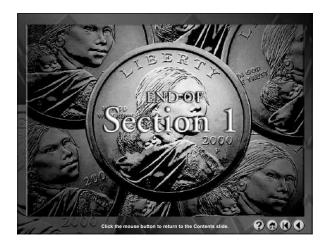














# **Study Guide**

### Main Idea



A change in inputs-labor, machinery, tools-results in a change in production. 4

### **Reading Strategy**

Graphic Organizer As you read about production, complete a graphic organizer similar to the one on page 122 of your textbook by listing what occurs during the three stages of production.

Click the mouse button or press the Space Bar to display the information. Section 2 begins on page 122 of your textbook.











# Study Guide (cont.)

# **Key Terms**



- theory of production \$\bar{\$\pi\$}
- short run ₽
- long run ₽
- Law of Variable Proportions ₽
- production function ₽
- raw materials ₽
- total product ₽
- marginal product ₽
- stages of production ₽
- diminishing returns

Click the mouse button or press the Space Bar to display the information. Section 2 begins on page 122 of your textbook.





# Study Guide (cont.)

# **Objectives**



After studying this section, you will be able to: 4

- Explain the theory of production. 4
- Describe the three stages of production. 4

### **Applying Economic Concepts**

Diminishing Returns Has the quality of your work ever declined because you worked too hard at something? Sometimes you reach a stage where you still make progress but at a diminished rate.

Click the mouse button or press the Space Bar to display the information. Section 2 begins on page 122 of your textbook.







### Introduction



- Producing an economic good or service requires a combination of land, labor, capital, and entrepreneurs. 4
- The theory of production deals with the relationship between the factors of production and the output of goods and
- · The theory of production generally is based on the **short run**, a period of production that allows producers to change only the amount of the variable input called labor.

Click the mouse button or press the Space Bar to display the information.



# Introduction (cont.)



- This contrasts with the long run, a period of production long enough for producers to adjust the quantities of all their resources, including capital. 4
- For example, Ford Motors hiring 300 extra workers for one of its plants is a short-run adjustment. 4
- · If Ford builds a new factory, this is a longrun adjustment.

Click the mouse button or press the Space Bar to display the information.







# Law of Variable Proportions



- The Law of Variable Proportions states that, in the short run, output will change as one input is varied while the others are held constant. #
- The law helps answer the question: How is the output of the final product affected as more units of one variable input or resource are added to a fixed amount of other resources?





### **The Production Function**



The Law of Variable Proportions can be illustrated by using a **production function—**a concept that describes the relationship between changes in output to different amounts of a single input while other inputs are held constant.

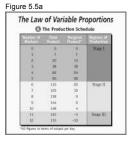




### The Production Function (cont.)

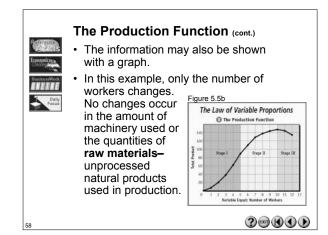
The production function can be illustrated with a schedule, such as the one in Figure 5.5a.

 The production schedule in the figure lists hypothetical output as the number of workers is varied from zero to 12.



Click the mouse button or press the Space Bar to display the information.







### **Total Product**

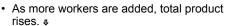
- The second column in the production schedule shows total product, or total output produced by the firm.
- The numbers indicate that the plant barely operates when it has only one or two workers.
- As a result, some resources stand idle much of the time.

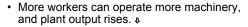
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# **Total Product Rises**





- Additional workers also means that the workers can specialize.
- For example, one group runs the machines, another handles maintenance, and a third group assembles the products.
- By working in this way—as a coordinated whole—the firm can be more productive.







### **Total Product Slows**

- As even more workers are added output continues to rise, but it does so at a slower rate until it can grow no further. 1
- Finally, the addition of the eleventh and twelfth workers causes total output to go down because these workers just get in the way of the others. 4
- · Although the ideal number of workers cannot be determined until costs are considered, it is clear that the eleventh and twelfth workers will not be hired.

Click the mouse button or press the Space Bar to display the information.



### **Marginal Product**

Marginal product is the extra output or change in total product caused by the addition of one more unit of variable input.







# **Three Stages of Production**



- When it comes to determining the optimal number of variable units to be used in production, changes in marginal product are of special interest. #
- The three stages of productionincreasing returns, diminishing returns, and negative returns-are based on the way marginal product changes as the variable input of labor is changed. •
- In Stage I, the first workers hired cannot work efficiently because there are too many resources per worker.

Click the mouse button or press the Space Bar to display the information.





# Three Stages of Production (cont.)

- As the number of workers increases, they make better use of their machinery and resources. 4
- As long as each new worker hired contributes more to total output than the worker before, total output rises at an
- · Because marginal output increases by a larger amount every time a new worker is added, Stage I is known as the stage of increasing returns.





### Three Stages of Production (cont.)

- As soon as a firm discovers that each new worker adds more output than the last, the firm is tempted to hire another worker.
- In Stage II, the total production keeps growing, but by smaller and smaller amounts.
- Any additional workers hired may stock shelves, package parts, and do other jobs that leave the machine operators free to do their jobs.
- The rate of increase in total production, however, is now starting to slow down.

Click the mouse button or press the Space Bar to display the information.



### Resignation Francis Economic

### Three Stages of Production (cont.)

- Stage II illustrates the principle of diminishing returns, the stage where output increases at a diminishing rate as more units of a variable input are added.
- In the third stage, the firm has hired too many workers, and they are starting to get in each other's way.
- Marginal product becomes negative and total plant output decreases.
- Most companies do not hire workers whose addition would cause total production to decrease.

Click the mouse button or press the Space Bar to display the information.





### **Section Assessment**

Main Idea Using your notes from the graphic organizer activity on page 122, explain how production is affected by a change in inputs.

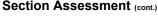
As input changes, production of outputs also changes. First, each input will cause an increase. Then, each input will cause an increase, but in increasingly smaller increments. Finally, each input will cause a decrease.

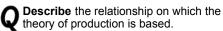
Click the mouse button or press the Space Bar to display the answer.



# Appendix App









The theory of production states that changing factors of production (inputs) will change the output of goods and services.

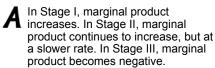




### Section Assessment (cont.)



Explain how marginal product changes in each of the three stages of production.



Click the mouse button or press the Space Bar to display the answer.



### Section Assessment (cont.)



Identify what point will eventually be Place the difference of the companies continue adding workers.



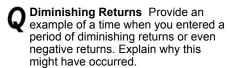
Workers will be in each other's way and output will decrease.

Click the mouse button or press the Space Bar to display the answer.





### Section Assessment (cont.)





Answers will vary.

Click the mouse button or press the Space Bar to display the answer.





# Section Assessment (cont.)

Sequencing Information You need to hire workers for a project you are directing. You may add one worker at a time in a manner that will allow you to measure the added contribution of each worker. At what point will you stop hiring workers? Relate this process to the three stages of the production function.



Stop hiring workers just before Stage II begins. In Stage I, as each worker is added, total product and marginal product increase. In Stage II, as each worker is added, marginal product is positive but decreasing. Therefore, the marginal product is greatest just before Stage II.



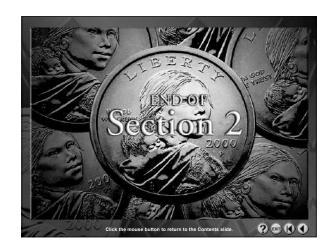
### **Section Close**



Discuss the following statement:

The most important economic concept for business managers to understand is that of marginal product.





# **Study Guide**



# Main Idea



Profit is maximized when the marginal costs of production equal the marginal revenue from sales. ₽



### **Reading Strategy**



**Graphic Organizer** As you read the section, complete a graphic organizer similar to the one on page 127 of your textbook by explaining how total revenue differs from marginal revenue. Then provide an example of each.

Click the mouse button or press the Space Bar to display the information. Section 3 begins on page 127 of your textbook.



# Study Guide (cont.)



### fixed cost ↓

**Key Terms** 



 total revenue ₽ marginal revenue ₽

overhead ₽ variable cost ₽

marginal analysis ₽

total cost ₽

break-even point ₽



 marginal cost ₽ e-commerce ₽

profit-maximizing quantity of output

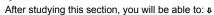
Click the mouse button or press the Space Bar to display the information. Section 3 begins on page 127 of your textbook.





### Study Guide (cont.)

# **Objectives**



- Define four key measures of cost. 4
- Identify two key measures of revenue. \$\pi\$
- Apply incremental analysis to business decisions. 4



### **Applying Economic Concepts**

Overhead Overhead is one type of fixed cost that we try to avoid whenever we can. How can overhead change the way people do business?

Click the Speaker button to listen to the Cover Story.

Click the mouse button or press the Space Bar to display the information. Section 3 begins on page 127 of your textbook.



# Introduction



Overhead is one of many different measures of costs.

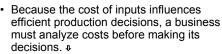


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### **Measures of Cost**







To simplify decision making, cost is divided into several different categories. •



The first category is **fixed cost**—the cost that a business incurs even if the plant is idle and output is zero.





### Measures of Cost (cont.)



It makes no difference whether the business produces nothing, very little, or a large amount. Total fixed cost, or overhead, remains the same. #



· Fixed costs include salaries paid to executives, interest charges on bonds, rent payments on leased properties, and local and state property taxes. 4



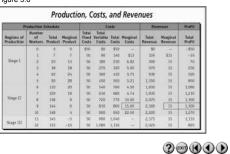
Fixed costs also include depreciation, the gradual wear and tear on capital goods over time and through use.

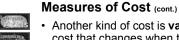




### Measures of Cost (cont.)

The nature of fixed costs is illustrated in the fourth column of the table below. Figure 5.6





- Another kind of cost is variable cost, a cost that changes when the business rate of operation or output changes. #
- While fixed costs generally are associated with machines and other capital goods, variable costs generally are associated with labor and raw materials. 

  •
- The total cost of production is the sum of the fixed and variable costs. #
- Total cost takes into account all the costs a business faces in the course of its operations.

Click the mouse button or press the Space Bar to display the information.





### Measures of Cost (cont.)

- Another category of cost is marginal costthe extra cost incurred when a business produces one additional unit of a product. 4
- Because fixed costs do not change from one level of production to another, marginal cost is the per-unit increase in variable costs that stems from using additional factors of production.





- The cost and combination, or mix, of inputs affects the way businesses produce. #
- The examples on the following slides illustrate the importance of costs to business firms.









### **Self-Service Gas Station**







station with many pumps and a single attendant who works in an enclosed booth. # This operation is likely to have large fixed costs, such as the cost of the lot, the

Consider the case of a self-serve gas

pumps and tanks, and the taxes and licensing fees paid to state and local governments.

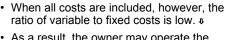
The variable costs, on the other hand, are relatively small.

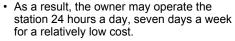
Click the mouse button or press the Space Bar to display the information.



# Self-Service Gas Station (cont.)







Click the mouse button or press the Space Bar to display the information.







### **Internet Stores**







- · Many stores are using the Internet because the overhead, or the fixed cost of operation, is so low. 4
- An individual engaged in e-commerceelectronic business or exchange conducted over the Internet-does not need to spend large sums of money to rent a building and stock it with inventory.

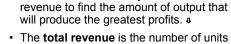
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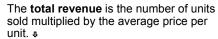


# **Measures of Revenue**









Businesses use two key measures of



The second, and more important, measure of revenue is marginal revenue, the extra revenue associated with the production and sale of one additional unit of output.









### Measures of Revenue (cont.)

- The marginal revenues are determined by dividing the change in total revenue by the marginal product. #
- Marginal revenue is not always constant. Businesses often find that marginal revenues start high and then decrease as more and more units are produced and sold.

Click the mouse button or press the Space Bar to display the information.



# **Marginal Analysis**







- Economists use marginal analysis, a type of cost-benefit decision making that compares the extra benefits to the extra costs of an action. .
- Marginal analysis is helpful in a number of situations, including break-even analysis and profit maximization. 4
- The **break-even point** is the total output or total product the business needs to sell in order to cover its total costs.

Click the mouse button or press the Space Bar to display the information.









# Marginal Analysis (cont.)









- A business wants to do more than break even, however. It wants to make as much profit as it can. 4
- The owners of the business can decide how many workers and what level of output are needed to generate the maximum profits by comparing marginal costs and marginal revenues. #
- In general, as long as the marginal cost is less than the marginal revenue, the business will keep hiring workers.

Click the mouse button or press the Space Bar to display the information.



# Marginal Analysis (cont.)

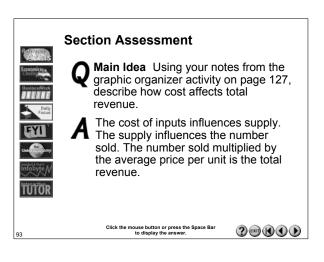


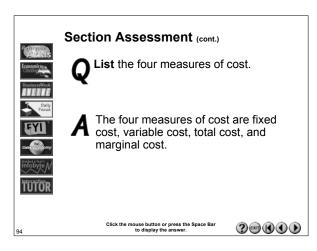


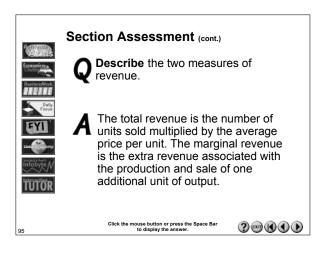


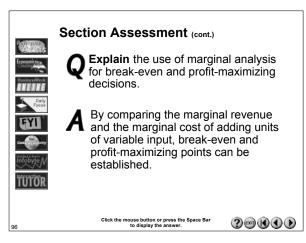
- When marginal cost is less than marginal revenue, more variable inputs should be hired to expand output. #
- The profit-maximizing quantity of output is reached when marginal cost and marginal revenue are equal.

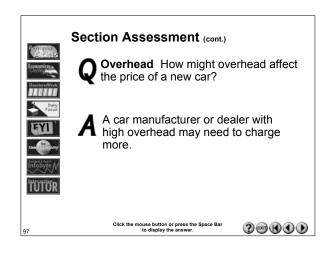


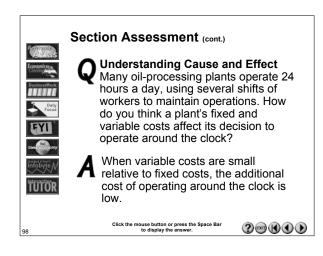


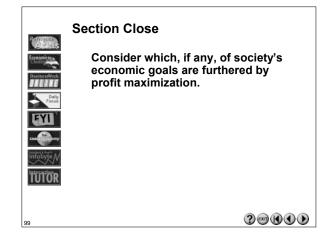


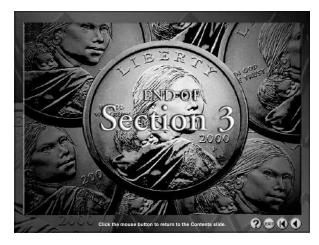












### Section 1: What Is Supply?



101

- Supply is the quantities of output that producers will bring to market at each and every price. Supply can be represented in a supply schedule, or graphically as a supply curve. •
- The **Law of Supply** states that the quantities of an economic product offered for sale vary directly with its price. If prices are high, suppliers will offer greater quantities for sale. If prices are low, they will offer smaller quantities for sale. \$\pi\$
- The market supply curve is the sum of the individual supply curves. 4
- A change in quantity supplied is represented by a movement along the supply curve.

Click the mouse button or press the Space Bar to display the information.



# Section 1: What Is Supply? (cont.)



- A change in supply is a change in the quantity that will be supplied at each and every price. An increase in supply is presented graphically as a shift of the supply curve to the right, and a decrease in supply appears as a shift of the supply curve to the left. •
- Changes in supply can be caused by a change in the cost of inputs, productivity, new technology, taxes, subsidies, expectations, government regulations, and number of sellers. 4
- Supply elasticity describes how a change in quantity supplied responds to a change in price.

Click the mouse button or press the Space Bar to display the information.









# Section 1: What Is Supply? (cont.)



If supply is elastic, a given change in price will cause a more than proportional change in quantity supplied. If supply is inelastic, a given change in price will cause a less than proportional change in quantity supplied. If supply is unit elastic, a given change in price will cause a proportional change in quantity supplied.



Puzzle

# **Section 2: The Theory of Production**

- The theory of production deals with the relationship between the factors of production and the output of goods and services. 1
- The theory of production deals with the short run, a production period so short that only the variable input (usually labor) can be changed. This contrasts to the long run, a production period long enough for all inputs-including capital-to vary.
- The Law of Variable Proportions states that the quantity of output will vary as increasing units of a single input are added. This law is presented graphically in the form of a **production function**.













### Section 2: The Theory of Production (cont.)

- The two most important measures of output are total product and marginal product, the extra output gained from adding one additional unit of input. 4
- Three stages of production—increasing returns, diminishing returns, and negative returns—show how marginal product changes when additional variable inputs are added. Production takes place in Street in the stage of diminishing returns. in Stage II under conditions of diminishing returns.

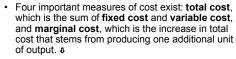
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### Section 3: Cost, Revenue, and Profit Maximization





- The mix of variable and fixed costs that a business faces affects the way the business operates.  $\boldsymbol{\Phi}$
- The key measure of revenue is marginal revenue, which is the change in total revenue when one more unit of output is sold.

Click the mouse button or press the Space Bar to display the information.











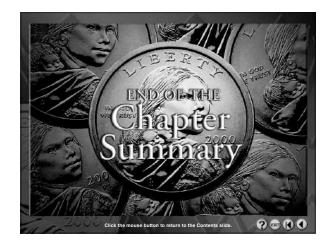


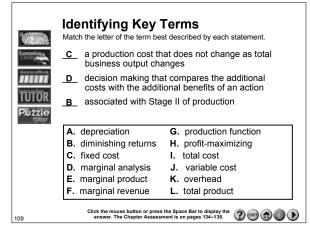
### Section 3: Cost, Revenue, and Profit Maximization (cont.)

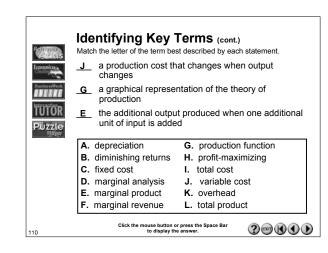
The profit-maximizing quantity of output occurs when marginal cost is exactly equal to **marginal revenue**. Other quantities of output may yield the same profit, but none yield more.

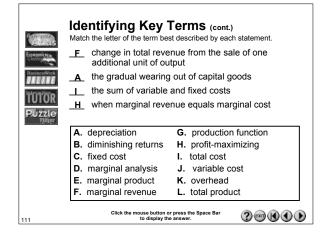


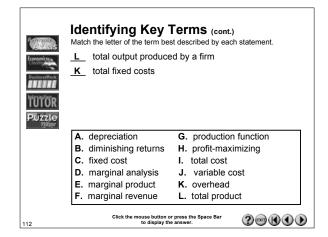


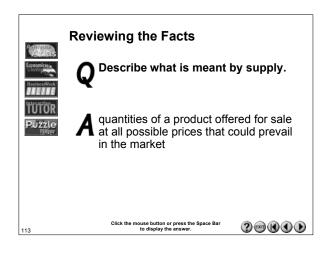


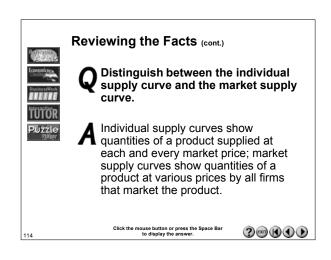


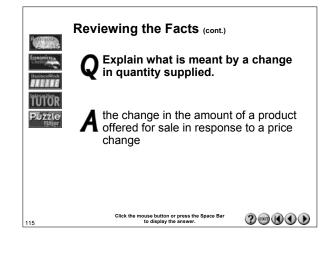


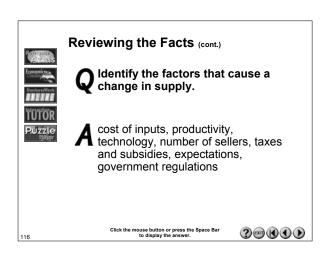


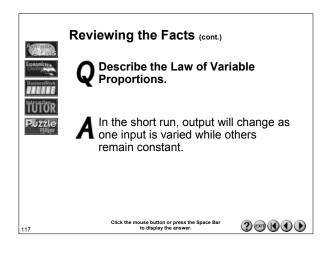




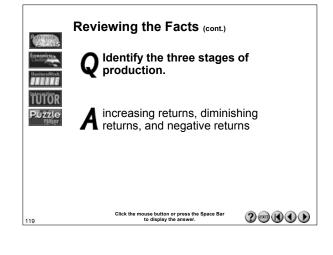


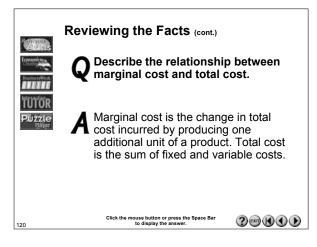


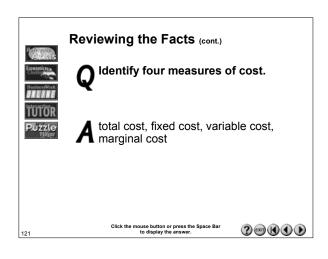


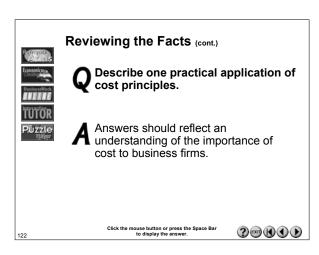


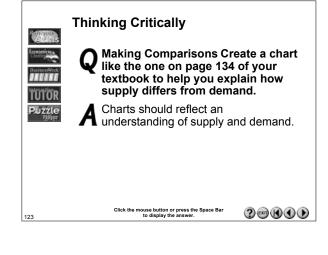


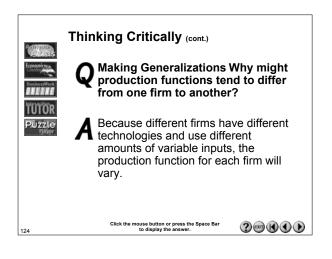
















Puzzle



**Understanding Cause and Effect** Explain why e-commerce reduces fixed costs.

Fixed costs, like employee salaries, interest charges on bonds, rent payments, and property taxes do not apply to e-commerce. Web access and software are the only fixed costs for e-commerce businesses.

Click the mouse button or press the Space Bar to display the answer.





# **Applying Economic Skills**

Supply According to the Law of Supply, what will happen to the number of products a firm offers for sale when prices go down? What will happen to the cost of additional units of production when a firm starts having diminishing returns? What will happen to the number of products a firm will offer for sale if its cost of production increases while prices remain

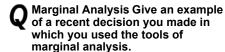
When prices go down, the amount offered for sale will also go down. Each unit of production will cost more. There will be a decrease in supply.

Click the mouse button or press the Space Bar to display the answer.



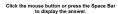


# Applying Economic Skills (cont.)



Examples should reflect an A understanding of marginal analysis.









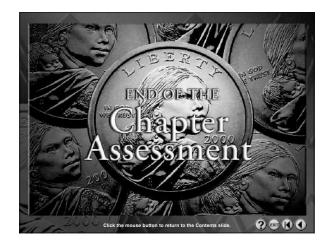
Puzzle

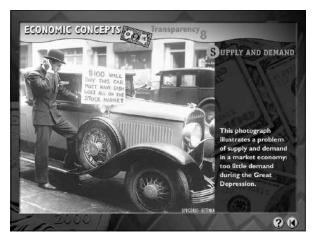


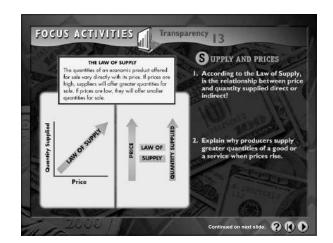
Suppose economists predict that the price of oil will rise by 25 percent in the next two years. How might this affect the number of wildcatterspeople who drill for oil in hopes of finding new supplies?

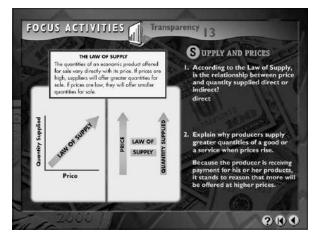
The number of wildcatters would likely go up, as more people would seek oil to sell at higher prices.

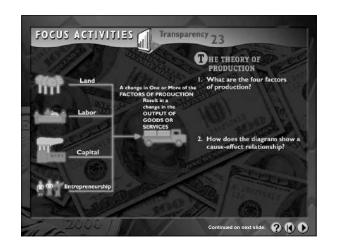


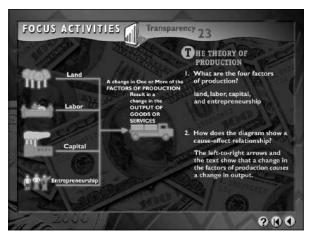


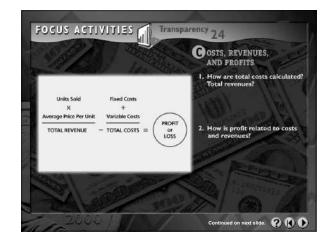


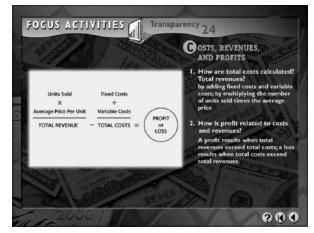














Monitor television newscasts and newspapers to find three stories that discuss supply. Write a brief explanation of how the situation in each story might affect price and supply.



Explore online information about the topics introduced in this chapter.

Click on the **Connect** button to launch your browser and go to the *Economics: Principles and Practices* Web site. At this site, you will find interactive activities, current events information, and Web sites correlated with the chapters and units in the textbook. When you finish exploring, exit the browser program to return to this presentation. If you experience difficulty connecting to the Web site, manually launch your Web browser and go to <a href="https://epp.glencoe.com">http://epp.glencoe.com</a>









Explore online information about the topics introduced in this chapter.

Click on the **Connect** button to launch your browser and go to the *BusinessWeek* Web site. At this site, you will find up-to-date information dealing with all aspects of economics. When you finish exploring, exit the browser program to return to this presentation. If you experience difficulty connecting to the Web site, manually launch your Web browser and go to <a href="https://www.businessweek.com">https://www.businessweek.com</a>



Measures of Cost Variable costs represent expenses a corporation incurs that change with that company's level of business activity. Fixed costs represent expenses a corporation incurs that remain relatively stable despite a change in the level of that company's business activity. Expense items which generally remain fixed for any given reporting period include rent, depreciation, property tax, and executive salaries.





Master Marketer Giving a gift to a business partner from another culture must be considered carefully. Some American businesspeople decided to send crystal clocks to their Chinese business partners. Luckily, before the gifts were sent, the Americans discovered that clocks are seen as symbols of death in China.



Oil Supply OPEC, the Organization of Petroleum Exporting Countries, uses adjustments in oil production to counter changes in prices. In the late 1990s, just after OPEC agreed to increase production, the Asian economy unexpectedly collapsed. With demand down, an oil glut resulted, and oil prices fell sharply. In time, the members of OPEC agreed to cut production, leading to a rise in oil prices.





All costs are variable in the long run.



Technology and Farming Many U.S. farmers now use computers, the Internet, and e-mail to get information about the supply of crops that will come to market, prices offered, yield per acre, and other data. This information helps farmers decide how much to plant and where to sell their products. State agricultural departments and universities have Web sites to help farmers use electronic information effectively.



**?**(



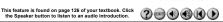


### **New Directions for PC Markets**

The price of the average desktop computer shrank by 17.3% in just one year. As prices continue to fall, computer makers are scrambling to find other ways to make a profit.

Read the BusinessWeek Newsclip article on page 126 of your textbook. Learn how computer makers are finding other ways to make a profit.

Continued on next slide





### **New Directions for PC Markets**

**Understanding Cause and Effect** Why are companies moving away from producing PCs?

The price of PCs has been plummeting for the past two years. Companies are not producing as many PCs because they are not making much profit from them.

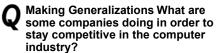
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Click the mouse button or press the Space Bar to display the answer. This feature is found on page 126 of your textbook.





### **New Directions for PC Markets**



Some companies are developing ecommerce business and producing non-PC products like cell phones and Web access machines.

Click the mouse button or press the Space Bar to display the answer. This feature is found on page 126 of your textbook.





**Economics and You** Video 6: What Is Supply?



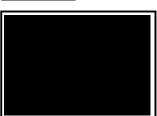
After viewing What Is Supply?, you should be able to: 4

- Explain the law of supply. 4
- · Identify some factors that can cause a change in the supply of a product. 4
- · Define marginal product.





### **Economics and You** Video 6: What Is Supply?





Side 1
Disc 1
Chapter 6
Click the Videodisc button
anytime throughout this
section to play the complete
video if you have a videodisc
player attached to your
computer.

Click the **Forward** button to view the discussion questions and other related slides.

Continued on next slide





### **Economics and You** Video 6: What Is Supply?



What is the law of supply?



The law of supply states that when prices of a product are higher, sellers will supply a larger quantity of the product.



Click the mouse button or press the Space Bar to display the answer.





### Outlining

Outlining may be used as a starting point for a writer. The writer begins with the rough shape of the material and gradually fills in the details in a logical manner. You may also use outlining as a method of note taking and organizing information as you read.

This feature is found on page 132 of your textbook.





### Outlining

### Learning the Skill

- There are two types of outlines-formal and informal. Making an informal outline is similar to taking notes-you write words and phrases needed to remember main ideas. A formal outline has a standard format. Follow these steps to formally outline material. 4
  - Read the text to identify the main ideas. Label these with Roman numerals.

Click the mouse button or press the Space Bar to display the information. This feature is found on page 132 of your textbook.





# **Outlining**

### Learning the Skill (cont.)

- Write subtopics under each main idea. Label these ideas with capital letters. 4
- Write supporting details for each subtopic. Label these with Arabic numerals. ₽
- Each level should have at least two entries and should be indented from the level above. •
- All entries use the same grammatical form, whether phrases or complete sentences.

Continued on next s

Click the mouse button or press the Space Bar to display the information. This feature is found on page 132 of your textbook.





# **Outlining**

### **Practicing the Skill**

- On a separate sheet of paper, copy the outline on page 132 of your textbook of the main ideas in the first part of Section 1 of Chapter 5.
- Then use your textbook to fill in the missing subtopics and details.

Click the mouse button or press the Space Bar to display the information. This feature is found on page 132 of your textbook





Click a picture on the following slide to learn more about Richard Sears, Milton Hershey, or John Johnson. Be prepared to answer the questions that follow.

Continued on next slide

This feature is found on page 121 of your textbook.







Making Generalizations Explain how persistence played a role in the success of each of these men.

Answers will vary. Sears persisted for 24 years before he opened his first retail store; Hershey was poor, uneducated, a multiple-business failure, and broke before he achieved success; Johnson persisted in the face of racism.

Click the mouse button or press the Space Bar to display the answer. This feature is found on page 121 of your textbook.





For Further Research Find out the etymology of entrepreneur and explain why the word is used as it is today.

The word entrepreneur comes from the French, and it means "one who undertakes some task." Its deeper root is Latin, originating in words that mean "to grasp" or "to seize." It shares these roots with the word "enterprise." Entrepreneurship thus means something akin to seizing an opportunity. Today, it denotes one who seizes a business opportunity.

Click the mouse button or press the Space Bar to display the answer. This feature is found on page 121 of your textbook.



# End of Custom Shows WARNING! Do Not Remove

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