CHAPTER 1

ECONOMIC ACTIVITY IN CONTEXT

Chapter Overview

This chapter introduces you to the basic concepts that underlie the study of economics. Economics explores four categories of human activity: resource maintenance, production of goods and services, distribution of goods and services, and consumption of goods and services. As you work through this book, you will learn in detail about how economists analyze each of these areas of activity.

Chapter Objectives

After reading and reviewing this chapter, you should be able to:

1. Define the difference between normative and positive questions.
2. Differentiate between intermediate and final goals.
3. Discuss the relationship between economics and well being.
4. Define the four essential economic activities.
5. Illustrate tradeoffs using a production possibilities frontier.
6. Explain the concept of opportunity costs.
7. Summarize the differences between the three spheres of economic activity.
8. Understand what is meant by “economics in context.”

Key Terms and Definitions

- economics
- production
- consumption
- normative questions
- final goal
- efficiency
- economic actor (agent)
- positive externalities
- exchange
- abundance
- production possibilities frontier (PPF)
- technological progress
- public purpose sphere
- free riders
- resource maintenance
- distribution
- positive questions
- intermediate goal
- wealth
- well-being
- negative externalities
- transaction costs
- transfer
- scarcity
- opportunity cost
- core sphere
- public goods
- business sphere
informal sphere microeconomics
macroeconomics model
traditional microeconomic model economistic thinking

Active Review Questions

Fill in the blank

1. You decide to buy a used car. You discover that it is hard to get information on the quality of the used cars that are available. You have trouble communicating with the car dealer. It takes a considerable amount of time to get the information you need to successfully get the car you had in mind. In other words, buying a used car turns out to be an activity with high ______________ costs.

2. A new factory begins discharging pollutants into a previously pristine river. Fish in the river begin to die, and people who make their living through fishing have trouble maintaining their catch. This factory is generating negative ________________.

3. Protecting wildlife in a national park is an example of the economic activity of ________________________.

4. Your grandmother sends you a check for $100. This form of resource distribution is referred to as a ____________________.

5. A diagram that shows the tradeoffs between production of two goods is called a(n) ____________________________________________________________.

6. A professional musician practices piano every afternoon. Her neighbor listens to the music and enjoys it. Through her activity, the musician is creating a positive ________________.
Questions 7 to 10 refer to the production possibilities frontier shown below.

![Production Possibilities Frontier](image)

**True or false**

7. In the graph shown above, at point B, society is producing the maximum possible amount of butter.

8. To move from point A to point B, society would have to cut down on its gun production and increase butter production.

9. Starting from point B, society would have to invest substantial resources to increase gun production.

10. Cooking a family dinner at home is an activity of the core sphere of economics.

11. Microeconomics is the study of national and international economic trends.

12. Watching a movie is an example of “consumption.”
Short answer

13. Name the two actors in the basic neoclassical, or traditional, model of economics.

__________________________________________________________________
__________________________________________________________________

14. “Children should learn to clean up after themselves by the age of six.” Is this a positive or a normative statement? ________________________________

15. “The business sphere contributed 59% of production in the US in 2000.” Is this a positive or a normative statement? ________________________________

16. List the three basic economic questions.

__________________________________________________________________
__________________________________________________________________

17. What are the two main forms of economic distribution? What is the difference between them?

__________________________________________________________________
__________________________________________________________________

18. A family enjoys a three-week vacation. In order to afford this vacation, the family saved money over the course of a year. Was earning this money a final goal or an intermediate goal? ________________________________

19. Technological innovations can vastly increase a society’s productive capacity. How might a technological innovation affect a society’s production possibilities frontier?

__________________________________________________________________
__________________________________________________________________

20. What is the distinguishing characteristic of institutions in the public purpose sphere?

__________________________________________________________________
Self Test

1. Which of the following best exemplifies an intermediate goal?

   a. Spending a relaxing vacation with your family.
   b. Spending a day at the art gallery.
   c. Going fishing for fun.
   d. Getting a summer job so you can afford a trip abroad.
   e. Reading a novel.

2. Which of the following statements is positive (as opposed to normative)?

   a. One should always be polite at the dinner table.
   b. There are ten people in this class.
   c. A young person’s top priority should be job security.
   d. The best professor is one who meets with students individually each week.
   e. Resources should be distributed equally across society.

3. Which of the following is an example of a positive externality?

   a. A musician performs in a concert. People pay to listen to the concert.
   b. An architect designs a house for herself to live in. She enjoys spending time in the house.
   c. A student volunteers in a shelter for the homeless.
   d. A homeowner plants a tree for shade around her house. The tree also provides shade for her next-door neighbor.
   e. A teacher drives his car to work and gets stuck in a traffic jam.

4. Which of the following is an example of a negative externality?

   a. A student receives a failing grade on a French exam.
   b. Your roommate throws a loud party that keeps you awake all night.
   c. You decide to take public transportation to work every day.
   d. A group of farmers pool their resources to purchase seeds for next year.
   e. You receive a letter saying your bank account is overdrawn.
5. Enjoying art at a museum is an example of

a. Production  
b. Consumption  
c. Exchange  
d. Transfer  
e. Resource maintenance

6. Which of the following statements is false?

a. Final goals could include fairness, freedom, or a sense of meaning in one’s life.  
b. You are offered a very interesting job, but you need a car to get there. Getting a car is an example of a final goal.  
c. Resource maintenance refers to activities associated with tending to, preserving, or improving natural, social, and other resources.  
d. Production is the conversion of resources into goods or services.  
e. Distribution is the sharing of products and resources among people.

7. Which of the following is an example of the economic activity of resource maintenance?

a. cooking dinner  
b. operating a factory  
c. providing worker education  
d. drilling for oil  
e. buying a bicycle

8. Which of the following factors could expand a society’s production possibilities frontier?

a. Increased butter production.  
b. Shifting from one product to another.  
c. Producing air pollution.  
d. Depleting resources now instead of later.  
e. Technological innovations.
9. Which of the following is an example of the economic activity of distribution?

   a. A baker makes 10 loaves of bread.
   b. A plumber fixes a leak.
   c. The legal speed limit is raised from 65 to 75 mph.
   d. A couple enjoys a walk in the forest.
   e. A retired worker receives Social Security benefits.

10. Which of the following is an example of the economic activity of consumption?

    a. A baker makes 10 loaves of bread.
    b. A plumber fixes a leak.
    c. The legal speed limit is raised from 65 to 75 mph.
    d. A couple enjoys a walk in the forest.
    e. A retired worker receives Social Security benefits.

11. Which of the following is an example of the economic activity of consumption?

    a. A catalog of all possible production options, represented as percentages.
    b. The tradeoffs between production and consumption options.
    c. The tradeoffs between possible production levels for two goods.
    d. The goods that a society could produce if it achieved a higher level of technological development.
    e. The possible gains from international trade in two or more goods.
Questions 12 and 13 refer to the following scenario.

An economy produces two goods: pencils and erasers. The graph shown below depicts two possible production possibilities frontiers (PPFs) for this economy.

12. Which of the following events could cause the economy moving from point B to point D?
   a. Workers become less productive due to poor working conditions.
   b. A hurricane destroys vital resources for pencil production.
   c. A new machine is invented that makes it easier to produce both pencils and erasers.
   d. All production costs rise proportionally.
   e. The cost of eraser inputs goes up.

13. Which of the following statements is true?
   a. Moving from point C to point B requires shifting resources away from eraser production and into pencil production.
   b. Point B represents a less efficient resource mix than point C.
   c. Depletion of nonrenewable resources could lead the economy to shift from point C to point D.
   d. Utility is maximized at point A.
   e. At point A, society is producing all the pencils it can.
14. The nation of Anyplace produces two goods, chairs and tables. Anyplace can produce the chairs and tables using either sustainable methods or resource-depleting methods. If Anyplace chooses resource-depleting methods, which of the following statements is true?

a. Eventually the PPF of Anyplace will shift outward (away from the origin).
b. Eventually the PPF of Anyplace will shift inward (toward the origin).
c. Eventually the PPF of Anyplace will pivot, causing a change in the slope of the curve.
d. Eventually Anyplace will have to choose between producing only chairs or producing only tables.
e. None of the above.

15. Which of the following statements is true?

a. Point A is inefficient.
b. Point B is inefficient.
c. Point A is preferred to point B.
d. Point B is preferred to point A.
e. Point C cannot be attained with current technology.
16. Suppose there is a production possibilities frontier (PPF) for wine and cheese. Which of the following situations would shift the PPF inward (toward the origin)?

a. A severe weather event that destroys much of the economy’s productive capacity.
b. Discovery of a new, cheaper source of milk for making cheese.
c. Increased popularity of wine, as compared with cheese.
d. A technological breakthrough.
e. Improved education of the work force.

17. In general, as production of a good increases, the opportunity cost of production increases. How is this notion reflected in the graph of production possibilities frontier (PPF)?

a. The PPF bows toward the origin (i.e. is concave).
b. The PPF bows away from the origin (i.e. is convex).
c. The PPF shifts in response to technological change.
d. The PPF shows production of one good at a time.
e. The PPF becomes flatter as resource availability increases.

18. A city government provides free subway transportation to all residents on weekends. This service is an example of

a. a free rider
b. a public good
c. a positive externality
d. an external cost
e. a core sphere activity

19. Which of the following is an example of a core sphere activity?

a. James plays a game of catch with his nephew.
b. Martha works at a bank.
c. A nonprofit organization provides social services to low-income families.
d. A national government purchases weapons.
e. Both a and c are true.
20. The activities of a charitable institution would be characterized as part of

- a. The core sphere
- b. The free rider sphere
- c. The public purpose sphere
- d. The business sphere
- e. The informal sphere

**Answers to Active Review Questions**

1. transaction
2. externalities
3. resource maintenance
4. transfer
5. production possibilities frontier
6. externalities
7. False. Society could produce more butter by producing fewer guns.
8. False. To move from A to B, society would have to decrease butter production and increase gun production.
9. True. At point B, society is already employing many of its resources to produce guns. Increasing gun production further will present high opportunity costs.
10. True.
11. False. Microeconomics focuses on activities that take place within and among the major economic organizations of a society. Macroeconomics is the study of broader patterns in the national and international economy.
12. True. An experience can be “consumed” without using up material resources.
13. firms and households
14. normative
15. positive
16. What should be produced and maintained? How? For whom?
17. Exchange and transfer. Exchange occurs when one actor provides a good or service, or money, in return for something else. Transfer is a one-way transaction, when one actor gives something to another.
18. intermediate
19. A technological innovation can expand the production possibilities frontier (move it “out,” away from the origin).
20. The distinguishing characteristic of institutions in the public purpose sphere is that they exist for a purpose related to the public good (e.g. national defense, poverty alleviation, healthcare, education, environmental protection, etc.).

Answers to Self Test Questions

1. d
2. b
3. d
4. b
5. b
6. b
7. e
8. e
9. d
10. c
11. e
12. c
13. a
14. b
15. c
16. a
17. a
18. b
19. a
20. c