

## CHAPTER 01—OVERVIEW OF FOOD SCIENCE

True / False

1. The food industry is divided into four major segments: production, manufacturing and processing, distribution, and marketing.

- a. True
- b. False

ANSWER: True

POINTS: 1

REFERENCES: PARTS OF THE FOOD INDUSTRY

2. As income rises, the proportion spent for food rises.

- a. True
- b. False

ANSWER: False

POINTS: 1

REFERENCES: TRENDS

3. Science is becoming more involved in food production as new food products and safe foods require new food-processing methods and systems.

- a. True
- b. False

ANSWER: True

POINTS: 1

REFERENCES: ALLIED INDUSTRIES

4. Specialty and gourmet stores stock many international foods such as beef from Europe, cheeses from Australia, apples from Mexico, and strawberries from Argentina.

- a. True
- b. False

ANSWER: False

POINTS: 1

REFERENCES: INTERNATIONAL ACTIVITIES

5. Health, food safety, and changes in lifestyle influence what foods people choose to consume.

- a. True
- b. False

ANSWER: True

POINTS: 1

REFERENCES: RESPONSIVENESS TO CHANGE

6. Food is a global commodity because of changes in export and import laws, transportation, and processing and communication.

- a. True
- b. False

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*ANSWER:* True

*POINTS:* 1

*REFERENCES:* SUMMARY

7. Since 1990 fresh and frozen fruit consumption has increased about 24 percent.

a. True

b. False

*ANSWER:* True

*POINTS:* 1

*REFERENCES:* RESPONSIVENESS TO CHANGE

8. The total amount of food consumed by each individual (per capita food consumption) changes from year to year but the kinds of foods consumed seldom change.

a. True

b. False

*ANSWER:* False

*POINTS:* 1

*REFERENCES:* RESPONSIVENESS TO CHANGE

9. Food industry firms form two basic types of vertical coordination: closed production and horizontal integration.

a. True

b. False

*ANSWER:* False

*POINTS:* 1

*REFERENCES:* ALLIED INDUSTRIES

10. Today's consumers more often combine meals with time engaged in activities such as shopping, working, and traveling.

a. True

b. False

*ANSWER:* True

*POINTS:* 1

*REFERENCES:* TRENDS

### Multiple Choice

11. Americans spend only about \_\_\_\_\_ percent of their personal consumption expenditures for food to be eaten at home.

a. 10      b. 6

c. 5      d. 3

*ANSWER:* b

*POINTS:* 1

*REFERENCES:* TRENDS

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12. Away-from-home meals and snacks now capture \_\_\_\_\_ percent of the U.S. food dollar.

- a. 45      b. 30
- c. 60      d. 50

ANSWER: a

POINTS: 1

REFERENCES: TRENDS

13. Food is a(n) \_\_\_\_\_ commodity.

- a. international      b. national
- c. local      d. state

ANSWER: a

POINTS: 1

REFERENCES: INTERNATIONAL ACTIVITIES

14. The United States is the largest exporter of which two items?

- a. milk and sugar      b. oranges and apples
- c. potatoes and carrots      d. cereal grains and soybeans

ANSWER: d

POINTS: 1

REFERENCES: INTERNATIONAL ACTIVITIES

15. Over \_\_\_\_\_ new food products are introduced each year.

- a. 10,000      b. 5,000
- c. 20,000      d. 30,000

ANSWER: a

POINTS: 1

REFERENCES: RESPONSIVENESS TO CHANGE

16. In less developed countries, such as Kenya and the Philippines, at-home food expenditures often account for more than \_\_\_\_\_ of a household's budget.

- a. 10 percent      b. 20 percent
- c. 30 percent      d. 40 percent

ANSWER: d

POINTS: 1

REFERENCES: TRENDS

17. Because the food industry is high volume and low markup, small losses anywhere along the chain can mean large losses to the food \_\_\_\_\_.

- a. manufacturer      b. producer
- c. processor      d. distributor

ANSWER: b

POINTS: 1

REFERENCES: INTERRELATED OPERATIONS

Name: \_\_\_\_\_ Class: \_\_\_\_\_ Date: \_\_\_\_\_

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18. A single firm controlling the flow of a commodity across two or more stages of food production is called \_\_\_\_\_.

- a. vertical integration
- b. contract production
- c. open production
- d. closed production

ANSWER: a

POINTS: 1

REFERENCES: ALLIED INDUSTRIES

19. Since 1990 red meat consumption has \_\_\_\_\_.

- a. declined 10 percent
- b. increased 15 percent
- c. declined 16 percent
- d. increased 30 percent

ANSWER: c

POINTS: 1

REFERENCES: RESPONSIVENESS TO CHANGE

20. Americans consume an estimated \_\_\_\_\_ calories more per person per day than they did 40 years ago.

- a. 320
- b. 700
- c. 580
- d. 460

ANSWER: d

POINTS: 1

REFERENCES: TRENDS