Chapter 36 Standardized Test Prep

TEST TIP For questions involving a graph, be sure to carefully study the graph's title, axes, and labels before choosing a final answer.

Science Concepts

1. The primary function of carbohydrates is to
- **A** aid in digestion.
- **B** break down molecules.
- **C** regulate the flow of acid.
- **D** supply the body with energy.

2. Which of the following is a mineral?
- **F** fat
- **G** zinc
- **H** water
- **J** ascorbic acid

3. What type of digestion occurs when the stomach mixes food particles with gastric juice?
- **A** indigestion
- **B** physical digestion
- **C** chemical digestion
- **D** mechanical digestion

4. Which of the following nutrients are broken down in the stomach?
- **F** fats
- **G** proteins
- **H** vitamins
- **J** carbohydrates

5. The first portion of the small intestine is the
- **A** colon.
- **B** rectum.
- **C** duodenum.
- **D** esophagus.

6. How can dehydration be prevented?
- **F** by perspiring
- **G** by inhaling air
- **H** by drinking water
- **J** by not drinking water

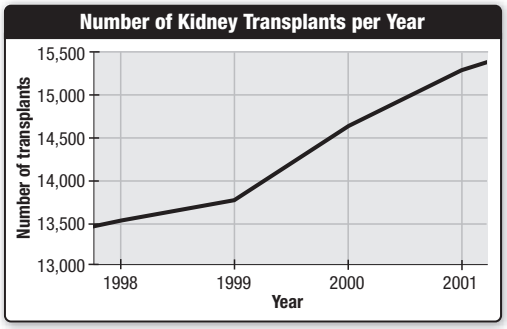
7. lung : alveolus :: kidney :
- **A** ureter
- **B** filtrate
- **C** nephron
- **D** microvillus

Writing Skills

8. Short Response The liver and pancreas are accessory organs of the digestive tract. In what two ways do the liver and pancreas differ from other digestive organs?

Using Science Graphics

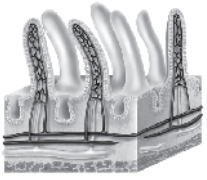
This graph shows the number of kidney transplants that were carried out during the years 1998–2001. Use the graph to answer the following questions.



9. In which year did 13,770 people receive a kidney transplant?
- **F** 1998
- **G** 1999
- **H** 2000
- **J** 2001

10. Approximately how many more people received a kidney transplant in 2001 than in 1998?
- **A** 150
- **B** 500
- **C** 1,500
- **D** 5,000

Use the image to answer the following questions.



11. This structure, which is located in the small intestine, is called a
- **F** villus.
- **G** ureter.
- **H** nephron.
- **J** gallbladder.

12. What is the role of this structure?
- **A** filtration of blood
- **B** excretion of wastes
- **C** secretion of enzymes
- **D** absorption of nutrients

State Resources



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Test Practice with Guided Reading Development

Answers

1. D **2.** G **3.** C
4. G **5.** C **6.** H
7. C
8. Food does not pass through them, and they have other roles besides digestion.
9. G **10.** C **11.** F
12. D

TEST DOCTOR

Question 2 **F** is incorrect because fat is organic and produced by living organisms. **G** is correct because a mineral is a naturally occurring inorganic substance, and zinc qualifies as a mineral. **H** is incorrect because water is not a mineral. **J** is incorrect because ascorbic acid is vitamin C.

Question 5 **A** is incorrect because the colon is the large intestine. **B** is incorrect because the rectum is the final segment of the large intestine. **C** is correct because the first portion of the small intestine is the duodenum. **D** is incorrect because the esophagus is the tube that connects the mouth to the stomach.

Question 7 **A** is incorrect because the ureter carries urine to the bladder. **B** is incorrect. Filtrate is a substance that has been filtered out of the blood. **C** is correct because the nephrons are the functional units of the kidneys in the same way that the alveoli are the functional units of the lungs. **D** is incorrect because microvilli are located in the small intestine.