Name _____ Date _____ Class _____

The Excretory System

This section explains how the parts of the excretory system work.

Use Target Reading Skills

Before you read, preview Figure 11. Then write two questions that you have about the diagram in the graphic organizer below. As you read, answer your question.

Q. Where are the nephrons located?
A.
Q.
A.

Introduction

1. What is the function of the excretory system?

_____

_____

_____

_____

2. The process of removing wastes from the body is _____.

The Excretory System

3. What are two wastes that the body must get rid of?

_____

_____

Match the term with its definition.

	Terms	Definitions
____	**4.** urea	**a.** The major organs of the excretory system
____	**5.** kidneys	**b.** A watery fluid that contains urea and other wastes
____	**6.** urine	**c.** A chemical that comes from the breakdown of proteins

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The Excretory System *(continued)*

7. Complete the flowchart to show how wastes are removed from the body.

Removing Wastes

Blood flows through the kidneys.

↓

Kidneys filter the _____ , removing the wastes.

↓

Urine flows from the kidneys through two narrow tubes called _____ to a sacklike muscular organ called the _____ , which stores urine.

↓

When the bladder is full, urine flows out of the body through a tube called the _____ .

Filtration of Wastes

8. What are nephrons?

_____

_____

_____

9. What are the stages of urine formation?

a. _____

_____

b. _____

_____

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10. Is the following sentence true or false? Urea and glucose stay in the capillaries while blood cells and protein molecules move into the capsule of a nephron. _____

11. List the substances that are returned to the blood and those that stay in the kidneys after the kidneys filter the blood.

Returned to blood: _____

Stay in kidneys: _____

12. Why is a chemical analysis of urine useful to doctors?

_____

_____

_____

_____

Excretion and Homeostasis

13. The kidneys help maintain homeostasis by regulating the amount of _____ in the body.

14. Is the following sentence true or false? If you've been sweating a lot and haven't had much to drink, your body will absorb less water and produce a larger volume of urine. _____

15. What are three other organs of excretion, not including the kidneys?

a._____ **b.**_____

c._____

16. What is the function of the liver?

_____

_____

_____

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