Chapter 37

Respiration, Circulation, and Excretion, *continued*

Reinforcement and Study Guide

Section 37.3 The Urinary System

In your textbook, read about kidneys, nephrons, and the formation of urine.

Answer the following questions.

1. What is the major function of kidneys?

_____

2. What role does the bladder play in the urinary system?

_____

3. What are nephrons?

_____

Order the following steps in the filtration of blood from 1 to 7.

_____ **4.** From the Bowman's capsule, fluid flows through a U-shaped tubule.

_____ **5.** Under high pressure, blood flows into capillaries that make up the glomerulus.

_____ **6.** After being stored in the bladder, urine exits the body via the urethra.

_____ **7.** Fluid moves from the end of the nephron's tubule to the ureter.

_____ **8.** Blood enters the nephron from a branch of the renal artery.

_____ **9.** Water, glucose, amino acids, and ions are reabsorbed into the blood.

_____ **10.** Water, glucose, amino acids, wastes, and other substances move from glomerular capillaries into a Bowman's capsule.

In your textbook, read about the urinary system and homeostasis.

Complete each statement.

11. _____ and _____ are two toxic nitrogenous wastes that your kidneys constantly remove from your bloodstream.

12. The kidneys also help regulate the blood's _____ _____ , and _____ .

13. Individuals with diabetes have excess levels of _____ in their blood.