

# CHAPTER REVIEW

# Chapter 3

## Circulation

### I. Vocabulary Review

In each of the following statements, a word or phrase has been scrambled. Unscramble the word and write it on the line provided.

- \_\_\_\_\_ 1. The smallest blood vessels are **seliacplari**.
- \_\_\_\_\_ 2. The lowest blood pressure is in your **nevis**.
- \_\_\_\_\_ 3. Your **supel** rate tells you the rate of your heartbeat.
- \_\_\_\_\_ 4. The highest **lobod surpeser** is found in the aorta.
- \_\_\_\_\_ 5. **Pyrehestonin** is a disorder that is linked to atherosclerosis.

### II. Concept Review

Answer the following in complete sentences.

6. In Figure 1, is A or B more like the human circulatory system? Why? \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

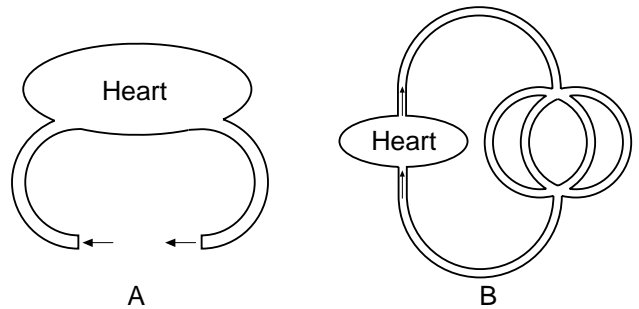


FIGURE 1

7. What kind of blood vessel is shown in Figure 2? Explain how the structures inside the vessels work. \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

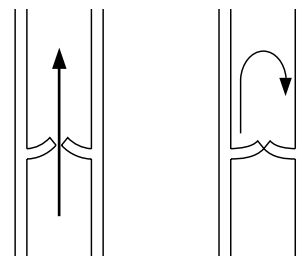


FIGURE 2

If the underscored word or phrase makes the sentence true, write "TRUE" in the space provided. If the underscored word or phrase makes the sentence false, write the correct term or phrase in the space provided.

- \_\_\_\_\_ 8. Carbon dioxide-rich blood travels in a vein from the lungs to the heart.
- \_\_\_\_\_ 9. Doing aerobic exercises decreases your heart's ability to pump blood.
- \_\_\_\_\_ 10. The circulatory system brings oxygen and nutrients to all parts of the body.
- \_\_\_\_\_ 11. In a fish, blood releases carbon dioxide and picks up oxygen from the water through the fish's gills.

**Chapter Review 3 (continued)**

- \_\_\_\_\_ **12.** Blood leaving the heart enters the veins.
- \_\_\_\_\_ **13.** Blood in a closed circulatory system travels through vessels that are directly connected to one another.

**III. Skills/Process Review**

*In the blank at the left, write the letter of the choice that best completes the statement or answers the question.*

- 14.** Data from three male and three female students are recorded in the table below. Complete the table by calculating the pulse rate for one minute for each student. Calculate the average pulse rate for one minute for each gender.

**Pulse Rate**

Students	Male (number of beats)		Female (number of beats)	
	15 sec	1 min	15 sec	1 min
Student 1	15		20	
Student 2	17		18	
Student 3	16		16	
Total after 1 min				
Average				

- 15.** When a 12-year-old girl exercises, her heart rate is 140. Based upon information on page 105 of your text, conclude whether the exercise is safe and effective. Explain your conclusion.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**IV. EYV Review**

- 16. How It Works: How Does Water Move in a Plant?** Explain how water movement is controlled without a pump such as the heart. \_\_\_\_\_

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