Structure and Function in Living Systems Name:

Blood Pressure and Types Period:

Use Chapter 16, Section 2 of your textbook to answer the questions below. The word banks can be used to fill out the sentences below them. Some words may be used more than once.

antigens blood blood vessels oxygen

Body Temperature Regulation (p.504)

1. Your _____ , a tissue, helps to regulate your body temperature.

2. Your _____ enlarge when your body temperature rises.

3. When you are cold, there is less _____ flowing to your skin.

Blood Pressure (p.504)

Match the correct description with the correct term. Write the letter in the space provided.

_____ 4. force of blood pushing on walls of arteries a. diastolic

_____ 5. pressure inside large arteries when ventricles contract b. systolic

_____ 6. pressure inside arteries when ventricles relax c. blood pressure

Blood Types / ABO System (p.505)

7. _____ are molecules on the surface of red blood cells that determine blood type.

8. Look at Figure 5. Which blood type has B antigens on its red blood cells? _____

9. Look at Figure 5. Which blood type has no antigens on its red blood cells? _____

10. Look at Figure 5. Which blood type has both kinds of antigens on its red blood cells? _____

11. Look at Figure 5. Which blood type has A antigens on its red blood cells? _____

12. If you get the wrong blood type, antibodies may clump together and block _____ .

Transfusions and Blood Types (p.506)

_____ 13. What does a transfusion replace?
a. lost body temperature b. lost pathogens c. lost blood d. lost antibodies

14. If your cells do not get enough of the gas _____ from blood, you will go into shock.

_____ 15. What could happen if you receive the wrong blood type?
a. Your blood type could change.
b. You might need more white blood cells.
c. You might get too much oxygen.
d. You could die.

16. Look at Table 1. Which blood type can receive the most different types of blood? _____

17. Look at Table 1. Which blood type can donate to the most different types of blood? _____

turn over for more questions

Structure and Function in Living Systems Name:

Blood Pressure and Types Period:

blood	bone marrow	healthy	hemophilia	leukemia

Blood Disorders (p.507)

18. _____ is a condition in which blood does not clot normally.

19. If you have hemophilia, it is easy for you to lose a lot of _____ if you get a cut.

20. _____ is a cancer that affects blood cells.

21. If you have leukemia, your body will not make enough _____ red blood cells or white blood cells.

22. Look at Figure 7. The purple dots show where _____ will be collected from a donor to give to someone with leukemia.