Blood Vessels (p.498)

1. Hollow tubes that carry blood in your body are called ________________ .

Arteries (p.498)

2. Arteries carry blood ________________ from the heart.

3. The walls of arteries can ________________, which allows them to handle the pressure of pumping blood.

4. When your heart squeezes (contracts) to pump blood, this is called your ________________ .

5. Look at Figure 4. Compared to the walls of a vein, are the walls of an artery thick or thin? __________

Capillaries (p.498)

6. The tiniest blood vessels are called ________________ .

7. The walls of capillaries are just _____ cell thick.

8. Blood cells must line up single-file in capillaries, because the capillaries are so ________________ .

Veins (p.498)

9. Veins carry blood ________________ the heart.

10. In veins there are ________________ that keep blood from flowing backwards.

11. The contraction of nearby ________________ helps to push blood towards the heart.

12. Look at Figure 4. Compared to the walls of an artery, are the walls of a vein thick or thin? __________

Two Types of Circulation (p.499)

13. Blood gets the oxygen for your body from the ________________ .

14. At the lungs, your body gets rid of this gas: ________________ .

15. The flow of blood between heart and ________________ is pulmonary circulation.

16. The flow of blood between heart and ________________ is systemic circulation.

17. Look at Figure 5. What kind of blood is pumped to the lungs? ________________

18. Look at Figure 5. What kind of blood is pumped to the body? ________________

19. Look at Figure 5. Blood goes into ________________ after it has been in an artery.

turn over for more questions
Cardiovascular Problems (p.500)

20. What can lower the risk of cardiovascular problems?
   a. smoking
   b. eating a healthy diet and exercising
   c. having high levels of cholesterol
   d. avoiding exercise

Atherosclerosis (p.500)

21. What is cholesterol buildup in an artery called?
   a. hypertension
   b. heart attack
   c. heart failure
   d. atherosclerosis

22. What can cause a narrowing of the arteries?
   a. stroke
   b. heart attack
   c. heart failure
   d. atherosclerosis

High Blood Pressure (p.500)

23. What is another name for high blood pressure?
   a. hypertension
   b. heart attack
   c. stroke
   d. atherosclerosis

24. What can happen when a brain artery clogs?
   a. heart failure
   b. heart attack
   c. stroke
   d. atherosclerosis

Heart Attacks and Heart Failure (p.501)

25. What can happen when the heart muscle does not get enough blood?
   a. hypertension
   b. heart attack
   c. heart failure
   d. atherosclerosis

26. What happens when the heart cannot pump enough blood?
   a. hypertension
   b. heart attack
   c. heart failure
   d. atherosclerosis