oncepts				
e the struct	tures of the	circulatory system?	•	
e the three	types of blo	ood vessels in the ci	rculatory syste	m?
s of the	Circulate	ory System (pa	age 943)	
large organ	isms requir	e a circulatory syst	em?	
				of the Circulatory System (page 943) rge organisms require a circulatory system?

- **3.** List the three components of the circulatory system.
 - a. _ b. _____ c. _

The Heart (pages 944-946)

4. Is the following sentence true or false? The heart is composed almost entirely of muscle.

Match each heart structure with its description.

	Structure	Description
	5. pericardium	a. Thick layer of muscle in the walls of the heart
	6. myocardium	b. Sac of tissue that encloses and protects the heart
	7. atrium	c. Upper chamber of the heart
	8. ventricle	d. Lower chamber of the heart
Dividing	g the right side of the hear	t from the left side is a wall called a(an)

- 9. Dividing the right side of the heart from the left side is a wall called a(an) _____
- 10. Is the following sentence true or false? The heart functions as four separate pumps. ____
- **11.** Complete the table about the circulatory system.

THE CIRCULATORY SYSTEM

Name of Circulatory Pathway	Side of Heart Involved	Route Blood Follows
Pulmonary circulation		From heart to lungs
	Left side	

Nai	me Class Date
12.	What happens to blood when it reaches the lungs?
13.	Why is the blood that enters the heart from the systemic circulation oxygen-poor?
14.	Circle the letter of each sentence that is true about blood flow through the heart.a. Blood enters the heart through the right and left atria.
	b. Blood enters the heart through the right and left ventricles.
	c. Blood flows from the ventricles to the atria.
	d. Blood flows out of the heart through the right and left atria.
15.	Flaps of connective tissue called prevent blood from flowing backward in the heart.
16.	Each heart contraction begins in a small group of cardiac muscle cells called the
17.	Cells that "set the pace" for the beating of the heart as a whole are also called the
	Types of Blood
	Vessels

are

- **19.** Circle the letter of each sentence that is true about arteries.
 - **a.** Most carry oxygen-poor blood. **c.** They have thin walls.
 - **b.** They can expand under pressure. **d.** The largest is the aorta.
- **20.** The smallest blood vessels found in the body are the _____
- **21.** What work is done in the capillaries? _

22. What keeps blood flowing toward the heart in the largest veins? _

	Class	Date
lood Pressure (pages	948–949)	
3. The force of blood on the	walls of arteries is known as $_$	•
4. Is the following sentence	true or false? Blood pressure in	ncreases when the heart relaxes
Iatch each type of blood pressur	re with the force it measures.	
Type of Pressur	re Force It Measures	
25. systolic	a. Force of the blood w	hen the ventricles relax
26. diastolic	b. Force of the blood w	hen the ventricles contract
7. A typical blood pressure :	reading for a healthy person is	:
	e nervous system regulate blood	
9 How do the kidneys regu	ulate blood pressure?	
5. Thow do the kidneys legu		
0 A condition in which fatt	latory System (pages 94 v deposits build up on the wal	
	y deposits build up on the wal	ls of arteries is called
1. High blood pressure also	y deposits build up on the wall is called	ls of arteries is called
 High blood pressure also Is the following sentence 	y deposits build up on the wal 	ls of arteries is called sure increases the risk of heart
 High blood pressure also Is the following sentence attack and stroke 	y deposits build up on the wall is called	ls of arteries is called sure increases the risk of heart
 High blood pressure also Is the following sentence attack and stroke Circle the letter of each set 	y deposits build up on the wal is called true or false? High blood press	ls of arteries is called sure increases the risk of heart attack.
 High blood pressure also Is the following sentence attack and stroke Circle the letter of each se a. It is caused by atheros 	y deposits build up on the wal 	ls of arteries is called sure increases the risk of heart attack. s.
 High blood pressure also Is the following sentence attack and stroke Circle the letter of each se a. It is caused by atheros 	y deposits build up on the walk is called true or false? High blood press entence that is true about heart clerosis in the coronary arteries the heart muscle begins to die.	ls of arteries is called sure increases the risk of heart attack. s.
 High blood pressure also Is the following sentence attack and stroke Circle the letter of each se a. It is caused by atheros b. It occurs when part of 	y deposits build up on the wall is called true or false? High blood press entence that is true about heart clerosis in the coronary arteries the heart muscle begins to die nausea and chest pain.	ls of arteries is called sure increases the risk of heart attack. s.
 High blood pressure also Is the following sentence attack and stroke Circle the letter of each se a. It is caused by atheros It occurs when part of Its symptoms include and It requires immediate and Is the following sentence 	y deposits build up on the walk is called true or false? High blood press entence that is true about heart clerosis in the coronary arteries the heart muscle begins to die nausea and chest pain. medical attention. true or false? A stroke may be	ls of arteries is called sure increases the risk of heart attack. s.
 High blood pressure also Is the following sentence attack and stroke Circle the letter of each set a. It is caused by atheros It occurs when part of Its symptoms include and It requires immediate and 	y deposits build up on the walk is called true or false? High blood press entence that is true about heart clerosis in the coronary arteries the heart muscle begins to die nausea and chest pain. medical attention. true or false? A stroke may be n	ls of arteries is called sure increases the risk of heart attack. s.
 High blood pressure also Is the following sentence attack and stroke Circle the letter of each se a. It is caused by atheros b. It occurs when part of c. Its symptoms include and d. It requires immediate and Is the following sentence vessel leading to the brain 	y deposits build up on the walk 	ls of arteries is called sure increases the risk of heart attack. s.
 High blood pressure also Is the following sentence attack and stroke Circle the letter of each se a. It is caused by atheros It occurs when part of It symptoms include It requires immediate Is the following sentence vessel leading to the brain List three ways of avoiding 	y deposits build up on the walk is called	ls of arteries is called sure increases the risk of heart attack. s.
 High blood pressure also Is the following sentence attack and stroke	y deposits build up on the wall is called	ls of arteries is called sure increases the risk of heart attack. s.