

circulatory & respiratory

Circulatory and Respiratory Systems

REVIEW ACTIVITY 1

Directions: Read each sentence. If the statement is true, write "T" in the blank. If it is false, write "F" in the blank. Then, cross out the word that makes the sentence false. Above that word, write a new word that makes the sentence true.

- _____ 1. The purpose of the circulatory system is to carry materials throughout your body.
- _____ 2. Your heart is about the size of a softball.
- _____ 3. The ventricles are the top chambers of the heart.
- _____ 4. The heartbeat sound is caused by the heart valves snapping shut.
- _____ 5. Capillaries carry blood away from the heart.
- _____ 6. Blood is blue in color when it carries oxygen.
- _____ 7. Respiration is another name for breathing.
- _____ 8. Carbon dioxide and water are produced by the cells as waste products.
- _____ 9. The trachea branches into the bronchial tubes, which then branch into alveoli.
- _____ 10. When you inhale, air leaves your lungs.

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REVIEW ACTIVITY 2

Directions: Write definitions for the terms in each group below. Then, tell how they are related to each other.

1. circulatory system: _____
respiratory system: _____
Relationship: _____

2. allergy: _____
cold: _____
influenza: _____
Relationship: _____

3. inhale: _____
exhale: _____
diaphragm: _____
Relationship: _____

4. plasma: _____
white blood cells: _____
red blood cells: _____
platelets: _____
Relationship: _____

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REVIEW ACTIVITY 3

Directions: Match each word to its definition.

- | | |
|---------------------------|--|
| _____ 1. heart | a. bottom chambers of the heart |
| _____ 2. atriums | b. blood vessels that carry blood back to the heart |
| _____ 3. ventricles | c. largest vein in the body |
| _____ 4. arteries | d. smallest blood vessels |
| _____ 5. veins | e. organ that pumps blood |
| _____ 6. capillaries | f. largest artery in the body |
| _____ 7. aorta | g. top chambers of the heart |
| _____ 8. vena cava | h. blood vessels that carry blood away from the heart |
| _____ 9. lungs | i. throat |
| _____ 10. bronchial tubes | j. flap of skin that keeps food out of the trachea |
| _____ 11. alveoli | k. major organs for respiration |
| _____ 12. pharynx | l. pull air into the lungs |
| _____ 13. trachea | m. push air out of the lungs |
| _____ 14. epiglottis | n. small air sacs in the lungs |
| _____ 15. exhale | o. windpipe |
| _____ 16. inhale | p. two tubes that branch off the trachea to carry air to the lungs |

Name _____

Date _____

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REVIEW ACTIVITY 4

Directions: Circle the correct answer for each question. Then, add up the circled numbers. If all answers are correct, the sum will be 100.

a. _____ in the heart keep blood moving in the right direction.

1. Capillaries

2. Valves

3. Platelets

b. White blood cells fight _____.

4. infection

5. mucus

6. red blood cells

c. _____ are tiny blood cell parts that form clots.

7. White cells

8. Platelets

9. Cilia

d. The colorless fluid in the body is _____.

10. platelet

11. oxygen

12. plasma

e. Cells use oxygen to produce _____.

13. energy

14. respiration

15. mucus

f. The _____ is a muscle that helps you breathe.

16. heart

17. diaphragm

18. larynx

g. You breathe out _____ and water.

19. alveoli

20. carbon dioxide

21. cilia

h. If food gets past the epiglottis, you automatically _____.

22. sweat

23. bleed

24. cough

Sum: _____

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UNIT TEST—FORM A

Directions: Use words from the word bank to complete the sentences.

Word Bank

aorta	blood	capillaries	carbon dioxide
chambers	heart	oxygen	vena cava

1. The main organ of the circulatory system is the _____.
2. The heart moves _____ around your body.
3. Blood leaves the heart through the _____, the largest artery in your body.
4. Blood returns to the heart through the _____, your body's largest vein.
5. _____ are the smallest blood vessels.
6. As blood moves through the capillaries, it leaves _____ behind for the cells to use.
7. The blood picks up _____ and water as waste products from the cells.
8. The heart has four _____.

Name _____

Date _____

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UNIT TEST—FORM A

Directions: Use words from the word bank to complete the sentences.

Word Bank

alveoli

bronchial tubes

lungs

atria

capillaries

trachea

body

exhale

ventricles

9. The top two chambers of the heart are the _____.
10. The bottom two chambers of the heart are the _____.
11. Blood flows from the right ventricle to the _____, where it picks up oxygen and drops off waste products.
12. The left ventricle pumps blood to your _____.
13. The _____ are small air sacs in the lungs.
14. Carbon dioxide and water leave the bloodstream as blood travels through the _____ that line the alveoli.
15. The alveoli build into larger and larger passages until they become the _____.
16. The bronchial tubes connect to the _____, which is also called the windpipe.
17. Carbon dioxide and water leave the lungs when you _____.

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Directions: Use words from the word bank to complete the sentences.

Word Bank

asthma
diaphragm
mucus

cilia
epiglottis
respiration

cough
hands
symptoms

18. _____ is another name for breathing.
19. The large muscle on the floor of the chest cavity that causes breathing is the _____.
20. In the nose, tiny hairs called _____ and a sticky, slime-like substance called _____ filter dust and dirt from the air.
21. The _____ is a flap of skin that keeps food out of the trachea.
22. If food does get into the windpipe, you will automatically _____ until the food comes out.
23. During an _____ attack, the bronchial tubes become narrow and sore.
24. Coughing and sneezing are _____ of both a cold and influenza.
25. Washing your _____ helps prevent the spread of germs that cause colds and other respiratory illnesses.