

What Are the Circulatory and Respiratory Systems?

Main Idea The respiratory system brings oxygen into the body and removes wastes. The circulatory system carries oxygen to the cells and carries away wastes.

Fill in the blanks with words from the box below.

diaphragm

artery

circulatory system

vein

lungs

respiratory system

atrium

heart

capillary

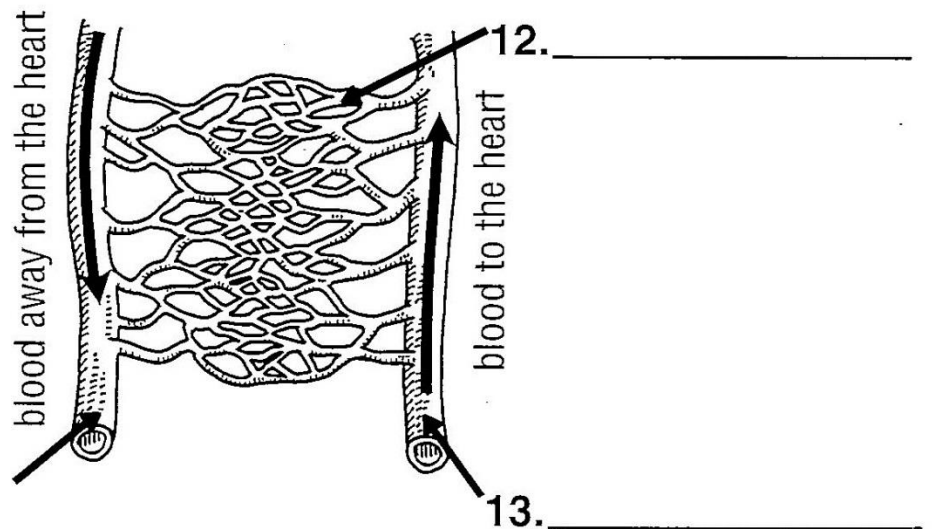
1. Organs that work together to take air into the body and push it back out make up the _____.
2. In the chest, the trachea divides into two tubes that enter the _____, the main organs of the respiratory system.
3. The _____ is a dome-shaped muscle that helps you to breathe.
4. The _____ transports oxygen, nutrients, water, and wastes.
5. The _____ is a muscular pump that pushes the blood through the blood vessels.
6. A(n) _____ is a blood vessel that carries blood away from the heart to capillaries.
7. A(n) _____ is a tiny blood vessel that connects arteries and veins.
8. A(n) _____ carries blood with little oxygen back to the heart.
9. The two upper chambers of the heart, called the left and right _____, receive blood from the veins.

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Write *true* if the statement is true and *false* if the statement is false.

- _____ 10. The air you breathe in moves into the diaphragm and enters the lungs.
- _____ 11. Blood brings carbon dioxide to the cells and takes away oxygen.

Label the diagram below using the terms *artery*, *capillary*, and *vein*.



Underline the term in parentheses that correctly completes each statement.

15. (White, Red) blood cells pick up and carry oxygen from the lungs.
16. The (heart, lung) is a muscular pump that works all the time.
17. The chambers of the heart, called (atria, ventricles), pump blood out of the heart into the arteries.
18. Oxygen-poor blood from the body enters the heart from the (left atrium, right atrium).