



The Circulatory System

Use the words in the box to fill in the blanks.

veins	transport	circulatory	blood
arteries	oxygen	lungs	heart
nutrients	energy	carbon dioxide	pumped
capillaries	dark	bright	intestine
away	heat	to	atmosphere

All animals need to transport materials around to the different parts of their body. This is the job of the circulatory system. The circulatory system consists of a liquid called blood, a pump called the heart and a series of vessels called veins and arteries.

One thing that must be transported around is a gas called oxygen. Oxygen enters the blood through the lungs. It is then pumped through the heart and around the body where it is used along with food to make energy. The body produces another gas called carbon dioxide, which is a waste product. This gas is carried back to the heart and then to the lungs where it is released back into the atmosphere.

The vessels that transport blood away from the heart are called arteries. The blood in arteries is dark red because it is rich in oxygen. The vessels that transport blood to the heart are called veins. The blood in veins is dark red because it is low in oxygen. Capillaries are small vessels that join the arteries and veins.

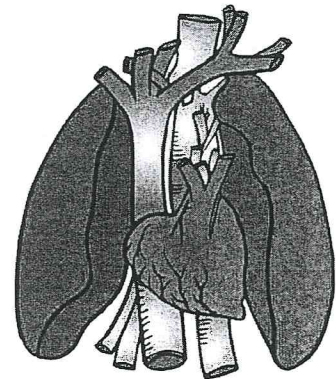
Nutrients from food are also transported around the body by the circulatory system. They enter the blood from the small intestine. The circulatory system also helps to regulate temperature by transporting heat around the body.



The Circulatory System



Find the circulatory system words below in the grid to the left.



Across

3. The place where nutrients enter the blood.
7. The pump in the circulatory system.
8. A small vessel that connects veins and arteries.
10. The circulatory system _____ nutrients, gases, liquids, and heat around the body.
11. The circulatory system transports this, which helps regulate temperature.
12. The liquid in the circulatory system.
13. The place where oxygen enters the blood and carbon dioxide leaves the blood.
14. A vessel that moves blood to the heart.
15. A gas that is transported in arteries from the lungs to the rest of the body via the heart.

Down

1. The heart _____ blood.
2. The heart, blood, and vessels.
4. Blood in arteries is _____ red because it is rich in oxygen.
5. The largest artery in the body.
6. A waste gas that is transported in veins from the body to the lungs via the heart.
9. A vessel that moves blood away from the heart.