

Short Answer	Type Answer Here	Fill in the Blank	Type Answer Here
1. What olor blood lls the		9 move blood from capillaries to veins.	
2. h w many ch nbers is the heart split int		10. The circulatory system gets the moving in your body!	
3. What are perts called that help blood clot?		11. The main artery that purpos blood away from the part is the	
4. What color are the veins that return blood to the heart?		The prior vena lea light to the he	
5. What connects the arteries and veins?		13. So etimes & a. cally the vo dlar or /stem	
6. How many miles long is the blood superhighway?		spees of w (blood pressure,	
7. What color blood cells destroy germs?		15. The heart the primary that pumps the blood.	
8. How many main pumps does the heart have?		16. Circulatory system includes the heart, blood, & blood	



## CIRCULATORY SYSTEM

The circ y's, test the blood moving in your body! Sometimes ardiovascular system. The chief gool of circulation fransport in high system. The chief gool of travels the control of the chief system in the chief gool of travels the chief system in the chief gool of the chief system. The chief gool of the chief gool of the chief system in a cycle. This repeated cycles y' if's called the circum system.

circulatory system in set the hear sod, ar wessels. Blood

- white blood and dest erms and p blood they last anywhere from one day ne year
- platelets help blood clothey are / round, / rhey change when forming blood cloths a cut / sh
- plasma holds the blood cells an

Blood carries nutrients from food to cells transports oxyge the lungs to cells. Blood moves carbon dioxide from and delivers lungs. Finally, blood regulates body temperature and keeps the body. Blood is part of a superhighway in the body!

The heart is the primary muscle that pumps the blood throughody. The heart is only the size of a fist, and it pumps blood in one direction throughout the body. Adults typically have 10 to 12 pints of blood in the body. The heart has two main pumps: the first sends blood to the body, the second pump sends blood to the lungs. The heartbeat changes with physical activity. If the body is moving a lot, the heart pumps faster to deliver oxygen. If the body is sitting quietly, the heart pumps slower. The beating of the heart happens when the muscle squeezes to pump the blood.

The heart is split into four chambers: two on top and two on the bottom. The right and left ventricles are in the bottom chambers. These ventricles pump blood out of the heart. The right and left atriums are in the top chambers. The atriums receive blood that is returning to the heart. These chambers have valves so that blood flows in one direction only.

The heart cannot move blood throughout the body without blood vessels.

Think Tork

Blood vessels include arteries, arterioles, capillaries, venules, and veins.

- Arteries carry blood to the body.
- Arterioles control the speed of flow (blood pressure).
- Capillaries distribute blood to tissue. They also carry blood with no oxygen to venules.
- · Venules move blood from capillaries to veins.
- Veins return blood (with no oxygen) to the heart.

Arteries, which are red, move blood away from the heart. Blue veins return blood to the heart. An easy way to remember this: A (arteries) = awayl Capillaries are the link between the veins and arteries. They transfer fuel and oxygen to individual cells. The main artery that pumps blood away from the heart is called the aorta.

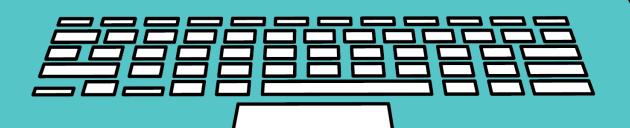
The circulatory system has two systems in one First, pulmonary circulation is a small loop from the heart to the lungs to the heart again. The pulmonary artery is a large artery from the heart. Here the blood moves to ags, picks up oxygen, and leaves carbon dioxide. Then the blood returns within the views. The second system is systemic circulation. Within this ystem, wells from the heart to all the other parts of the body and back again. Once the control of the control oxygen from the lungs, the aorta moves the blood starts in the trunk of it. As intraval convers to the smaller branches.

is journey, nect the arteries and veins. Nutrients travel by ca capillaries take in waste products. take these als to sma ins and arteries closest to the e larger. Th ior vena cava and r vena cava lead straight to art. Now the eats itself over over again. Blood moves capillary hule to vein and back to the art to an

Fun factor of straighten out the blad essels in a straight line wild wrap around in the law and a half time he blad superhighten about 60,000 miles long!

It's important to kee, your heart each day to keep your muscle moving theart. Try to avoid junk food, process des soft drinks. Eat five servings of fruits an eget smokel Do your part and care for your heart!

o Think Toni



## PLEASE VIEW THE VIDEO TO SEE HOW THIS PRODUCT WORKS

