

HOW BLOOD TRAVELS THROUGH THE BODY

Directions: Fill in the blanks below with these words. Use each answer only once.

Aorta	Lungs	Nutrients	Carbon dioxide	Inferior vena cava
Veins	Oxygen	Vein	Left ventricle	Superior vena cava
Arteries	Venule	Cardiovascular	Left atrium	Pulmonary veins
Capillary	Arterioles	Bicuspid	Right ventricle	Pulmonary arteries
Valves	Capillaries	Tricuspid	Right atrium	Blood vessels

A system of _____ carries blood through the body. These vessels include the _____, _____, and _____.

These vessels and the heart make up the _____ system. Let's follow a droplet of blood through the system. If blood is leaving the heart through the largest artery, then it is in the _____. The heart chamber that just pumped this blood out into this artery was the _____. This large artery soon branches, so the droplet can move into the arteries leading to the head and arms or travels down through the body and divides to carry blood to each leg. This droplet of blood goes into one of the leg branches. From here, the blood travels in smaller and smaller arteries until it reaches the very end of the big toe and enters the smallest artery called an _____. The blood then travels through one of the smallest blood vessels, which is only one cell thick and cannot be seen by the naked eye. This tiny vessel is a _____. At this point, the droplet nourishes the cells next to this tiny vessel by giving up _____ and _____ while taking away _____ and the other waste products. The droplet must now return to the heart and first moves into a blood vessel called a _____. This droplet joins other blood in this vessel going back to the heart and flows into a larger _____, which has _____ inside. This blood vessel along with others will join one large blood vessel that receives all the blood from the lower part of the body. This blood vessel is called the _____. Another large blood vessel called the _____ collects all blood from the head and arms. These two blood vessels enter the _____ of the heart. The blood droplet would pass through the _____ valve before entering the _____. The droplet would be pumped out and go into one of the _____, which lead to the _____. The droplet returns to the heart in one of the _____ and enters the _____. The blood droplet would pass through the _____ valve before ending up back in the left ventricle.