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.