

## The Circulatory System

Name \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

The Circulatory System is made up of the \_\_\_\_\_, blood, and blood vessels. There are over \_\_\_\_\_ kilometres of blood vessels in our body. Blood vessels are elastic, tube-like veins, arteries and capillaries.

The circulatory system has the job of moving \_\_\_\_\_ through the entire body. Blood is made up of \_\_\_\_\_, white cells, red cells, and \_\_\_\_\_. White cells fight \_\_\_\_\_, red cells carry \_\_\_\_\_, and platelets cause the blood to clot. Blood is the main method the body has for moving oxygen, nutrients/food, heat, and hormones needed for energy and growth to our tissues and organs. It also acts to help remove \_\_\_\_\_.

Your heart is the size of a \_\_\_\_\_ and is found \_\_\_\_\_  
\_\_\_\_\_. Your heart is a strong hollow muscle that can be compared to two \_\_\_\_\_. The left side pumps \_\_\_\_\_ rich blood into your arteries. Arteries branch out into smaller and smaller blood vessels. The smallest are called capillaries which are \_\_\_\_\_ mm across. In the capillaries, the blood releases oxygen and nutrients to the cells which turn them into energy. The “used” blood brings waste products back to the \_\_\_\_\_ side of the heart. Then it is sent to your lungs for fresh \_\_\_\_\_ and flows to the left side to start all over again. All this takes \_\_\_\_\_ seconds.

“Blue blood” is blood that is low in \_\_\_\_\_. The artery that carries blue blood to your lungs is called the \_\_\_\_\_. The veins carrying red blood from the lungs to the heart are the \_\_\_\_\_.

Red blood carries \_\_\_\_\_. The largest artery in the body is called the \_\_\_\_\_, and it is \_\_\_\_\_ cm across. The largest vein is the \_\_\_\_\_.

\_\_\_\_\_ in the heart keep the blood moving in the right direction. Blood is cleaned in the two \_\_\_\_\_ which are located \_\_\_\_\_.

During your lifetime, your heart beats \_\_\_\_\_ times.

The human body contains \_\_\_\_\_ litres of blood.

An adult heart pumps \_\_\_\_\_ litres of blood a day.

A baby's heart beats \_\_\_\_\_/minute.

A child's heart beats \_\_\_\_\_/minute.

An adult's heart beats \_\_\_\_\_/minute.