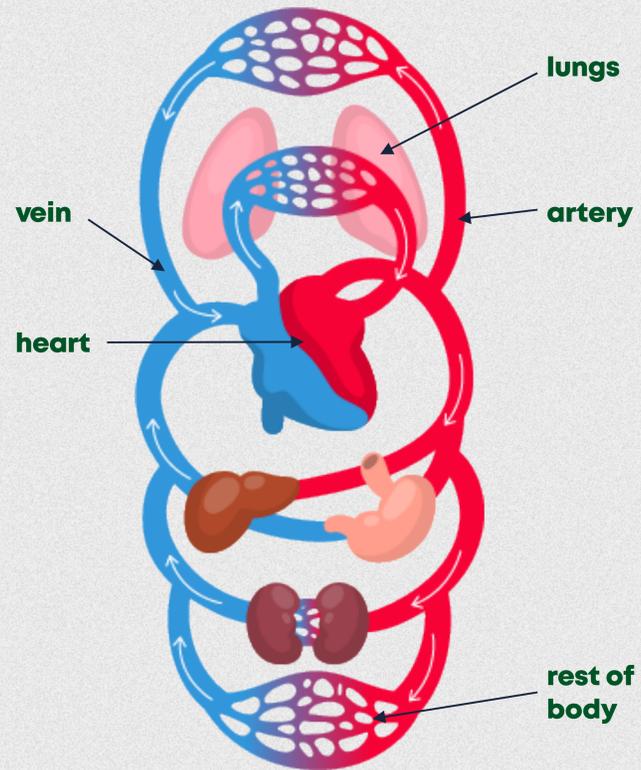
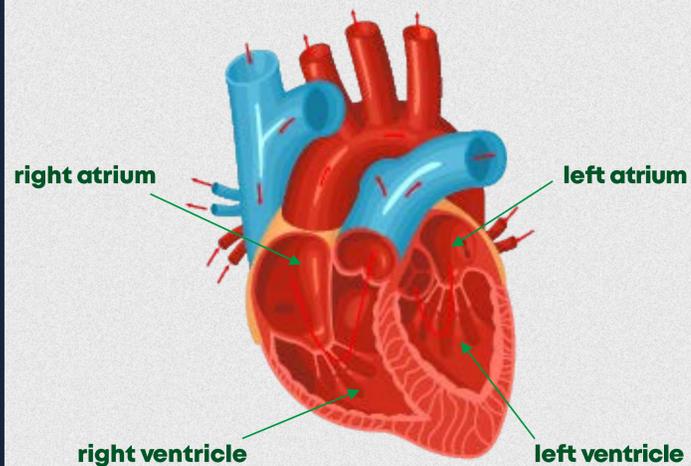


circulatory system



the heart



KEY
VOCABULARY

circulatory system

bodily system made up of the **heart, blood vessels and blood** that delivers essential materials to cells whilst removing waste products

transport

the circulatory system **transports nutrients (from digested food) and water to every cell** as well as oxygen

atria

the plural of 'atrium'; the **upper chambers of the heart**

ventricles

the **lower chambers of the heart**

valves

found between the atria and ventricles they **open and close to allow the blood to flow through the heart**

aorta

the **largest artery supplying oxygenated blood** to the rest of the body

arteries

carry blood with oxygen from heart

veins

carry blood depleted of oxygen back to heart

capillaries

tiny vessels where oxygen gets transferred to cells

pulse rate

the **number of heart beats per minute**

arteries



carry blood away from the heart

oxygenated blood (most arteries)

veins



carry blood back to the heart

deoxygenated blood (most veins)

capillaries



transfers oxygen from the blood stream to other tissues in the body

blood pressure

the force with which our blood is pushed around our bodies (if our blood pressure is too high or low it can be dangerous for us)

heart rate

the number of squeezes or beats of the heart per minute (when the heart beats it pumps blood around the body)

drugs

human heart rate and blood pressure can be altered by taking drugs - sometimes this is needed, and doctors administer drugs to help patients (illegal drugs can damage human hearts and change blood pressure which can be very dangerous)