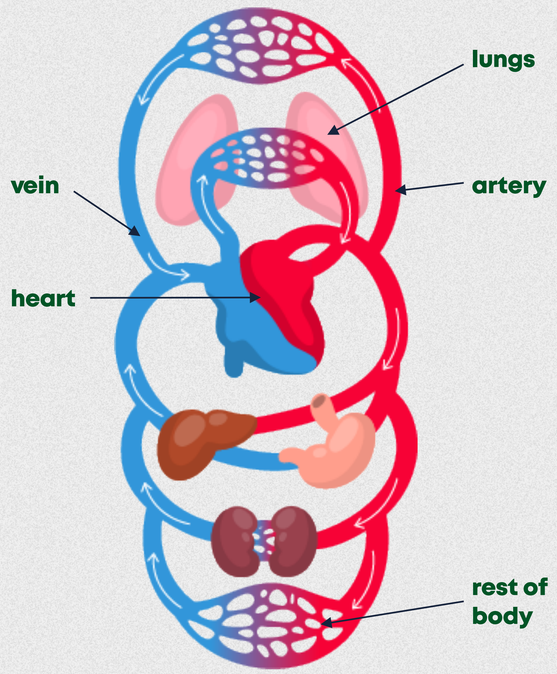
Science and Technology PKC

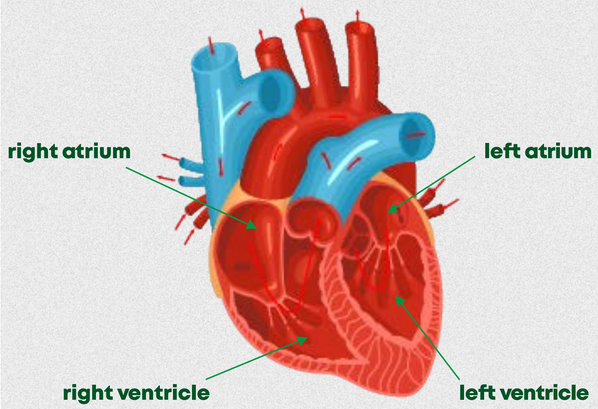
Human body

PKC CYMRU Primary Knowledge Curriculum

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	veins	capillaries
carry blood away from the heart oxygenated blood (most arteries)	carry blood back to the heart deoxygenated blood (most veins)	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)