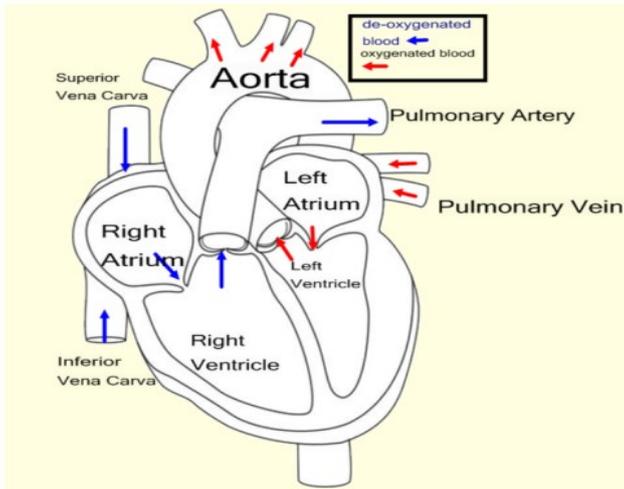


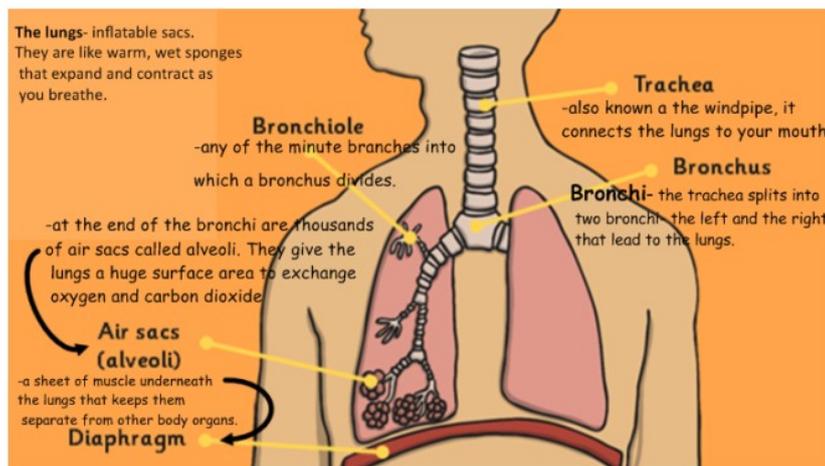
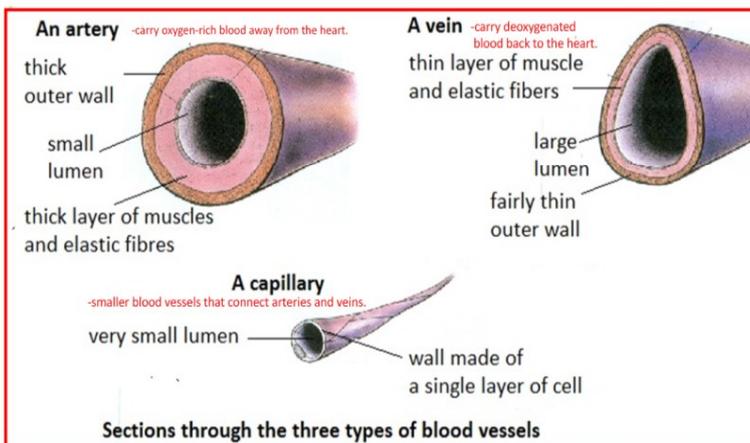


Knowledge Organiser for Year 4/5 Circulation and Respiration

The heart pumps blood around the body. Blood carries oxygen and vital nutrients to every body part.



Atria	The two top chambers of the heart; right and left Take in blood from the vena cava and pulmonary veins
Ventricles	Two lower chambers; also right and left Pump blood out of the heart
Artery	Takes blood away from the heart
Vein	Takes blood to the heart
Lungs	Inflate with air when you breathe
Trachea	Or windpipe which takes air to the lungs
Alveoli	Air sack where oxygen and carbon dioxide are exchanged.



Daniel Hale Williams



January 18 (1856) – August 4 (1931)

-In 1893 he performed the world's first successful open heart surgery.

-His famed heart procedure was a pericardium surgery to repair a wound.

-First black person admitted to the American College of Surgeons.

Prior learning
Year 1/2 Science-The Human Body

Scientific investigation
Aim-Purpose or reason for experiment
Prediction-What will happen In the experiment
Method- Step by step process
Variable- anything that change or be changed
Fair test- Independent variable is changed but all the controlled variable stays the same.