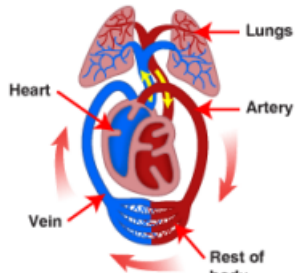


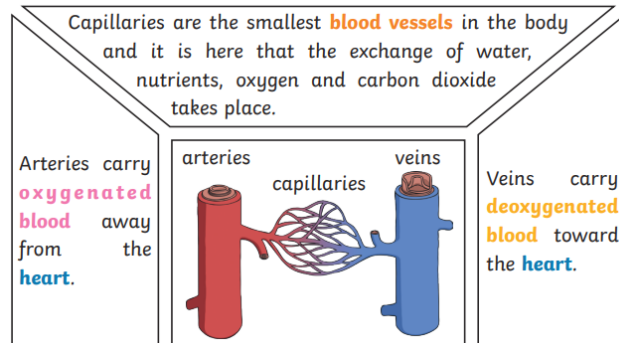
Science Knowledge Map - Summer 1 - Body Pump (animals including humans)

CIRCULATORY SYSTEM

- is a group of organs and vessels which transport blood around the body. The heart pumps blood to the lungs to get oxygen. The oxygenated blood is then pumped around the body. Arteries carry oxygenated blood



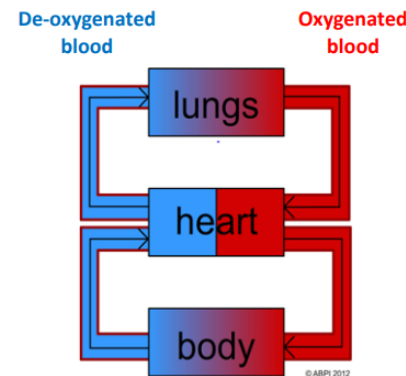
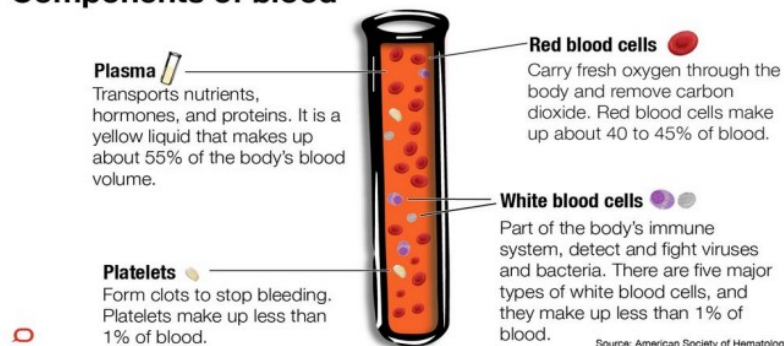
away



Vocabulary

Circulatory System	- the parts of an animal's body comprising the heart, veins, capillaries and arteries.
Heart	- muscular organ that pumps blood through the body.
Veins	- blood vessels that carry blood towards the heart.
Artery	- blood vessels that deliver oxygen-rich blood from the heart to the tissues of the body.
Oxygen	- a chemical element which animals need to survive.
Blood vessels	- part of the circulatory system that carries blood (a vein, artery or capillary).
Capillary	- very thin blood vessel.
Nutrients	- a source of nourishment that gives energy.
Deoxygenated blood	is blood where most of the oxygen has already been transferred to the rest of the body.
Oxygenated blood	Oxygenated blood has more oxygen. It is pumped from the heart to the rest of the body

Components of blood



The Heart

our heart is a very strong muscle and plays an important part in being healthy. It keeps all the blood in your circulatory system flowing. Your heart first pumps blood to your lungs. Here, the blood picks up oxygen from the air that you have breathed in. The blood (carrying oxygen) then travels back to your heart. The heart gives the blood a second push. This time, it's sent all around the body to the various organs and tissues.