

RED SQUIRRELS SCIENCE – ANIMALS INCLUDING HUMANS CIRCULATION

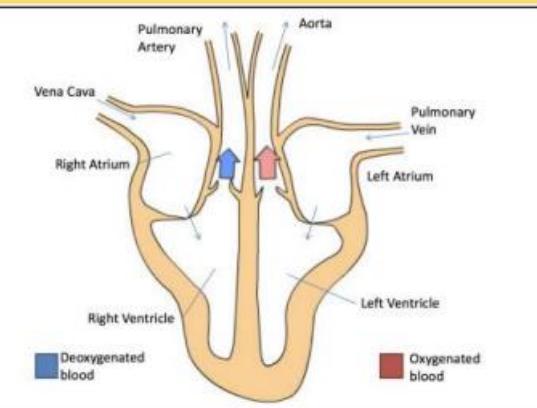
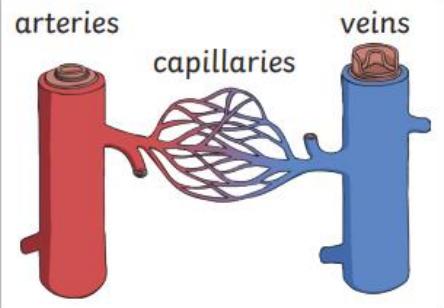
The circulatory system

The circulatory system is the system that circulates blood around the body.

The circulatory system, also known as the cardiovascular system is a network of organs and blood vessels that work together to circulate blood around the body.

The circulatory system is made up of three main components:

- Heart
- Blood vessels
- Blood



The function of the heart

1. Deoxygenated blood flows into the heart from the body through the veins
2. This blood is pumped out to the lungs through the pulmonary artery
3. Blood is then oxygenated in the lungs
4. Blood returns to the heart through the pulmonary vein
5. The oxygenated blood is then pumped out of the heart through the aorta
6. The blood travels around the body delivering oxygen and nutrients to the organs.

Vocabulary

heart	the organ in your chest that pumps the blood
blood.	blood a red fluid that is pumped by the heart through the arteries and veins, supplies tissues with nutrients and oxygen.
blood vessels	the general name for the narrow tubes through which your blood flows includes the arteries, veins and capillaries
veins	blood vessels that carry blood to the heart.
arteries	blood vessels that carry blood away from the heart
capillaries	capillaries microscopic blood vessels found in the muscles and lungs
lungs	the two spongy organs inside your chest which fill with air when you breathe in. They remove carbon dioxide from blood and add oxygen.
oxygen	a colourless gas that exists in large quantities. All animals need oxygen in order to live.
carbon dioxide	a gas produced by animals and people breathing out
oxygenated	to be enriched with oxygen
deoxygenated	deoxygenated to be depleted of oxygen

