

Prior Learning

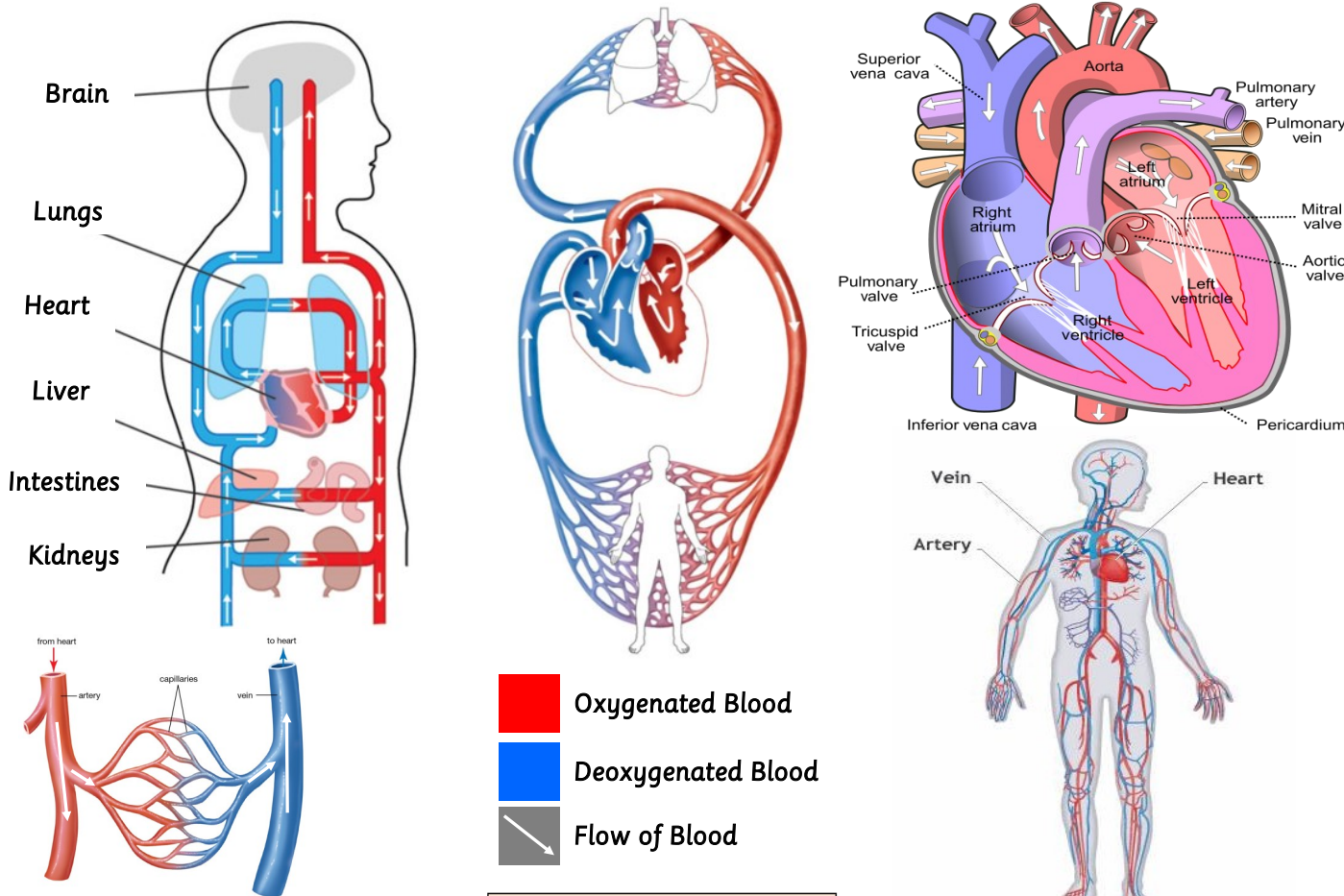
- I know that animals, including humans, have offspring which grow into adults and how humans change as they develop to old age, including during puberty.
- I can describe the basic needs of all animals for survival and to how to be healthy, including getting exercise, correct nutrition and being hygienic.
- I know that humans and some animals have skeletons and muscles for support, protection and movement.
- I can describe the simple functions of the basic parts of the digestive system in humans, including the teeth and their simple functions.

Sticky Knowledge

- I can identify and name the main parts of the human circulatory system.
- I can describe the functions of the heart, blood vessels and blood.
- I can describe the impact of diet, exercise, drugs and lifestyle on the way my body functions.
- I can describe the ways in which nutrients and water are transported within animals, including humans.

Vocabulary

Arteries	Blood vessels that carry blood away from the heart and towards other parts of the body. They have thick muscular walls.
Blood	Red liquid that circulates in arteries and veins, carrying oxygen to and carbon dioxide from tissues of the body
Blood Vessel	Tubes throughout the body that blood flows through.
Bones	Hard whitish tissue making up the skeleton in humans and other vertebrates
Capillaries	The smallest blood vessels, branching off from the arteries taking blood to all areas of the body. They then re-join at the veins.
Circulatory System	The system that circulates blood through the body, including the heart, blood vessels and blood
Deoxygenated Blood	Blood that is not rich in oxygen. This is found in the veins as it travels back to the heart to be pumped to the lungs again.
Digestive System	The system that gets food into and out of the body and breaks down the food to absorb the energy and nutrition.
Heart	A hollow muscular organ that pumps the blood through the circulatory system
Lungs	Pair of organs situated within the ribcage where oxygen can pass into the blood and carbon dioxide be removed
Muscles	A band or bundle of fibrous tissues that have the ability to contract, producing movement in or maintaining positions of parts of the body
Nutrients	A substance that provides nourishment essential for the maintenance of life and for growth
Organs	Parts of an animals body that has a specific important function.
Oxygenated Blood	Blood that is rich in oxygen. This is found in the arteries as the heart pumps it from the lungs to the rest of the body.
Skeleton	A framework of bones, cartilage and other rigid substances responsible for giving support and strength to an animals body.
Veins	Blood vessels that carry blood towards the heart
Vitamins	Organic compounds essential for normal growth and nutrition



Transportation of Water in the Body

