

ANIMALS, INCLUDING HUMANS

The Circulatory System

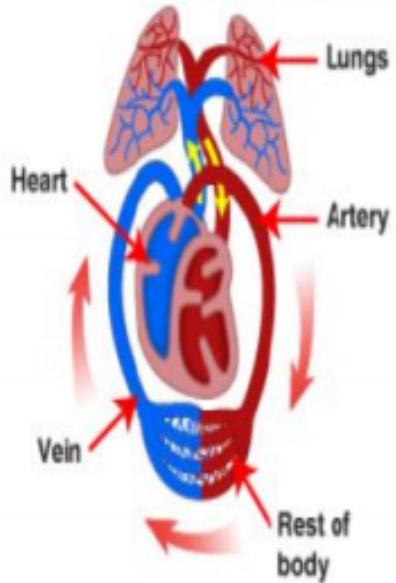
The heart

The **heart** pumps oxygen-rich blood to every cell in the body.

Blood vessels

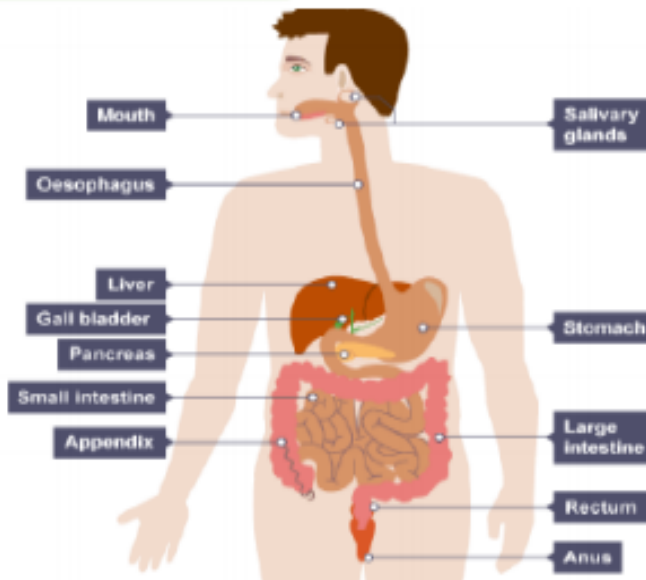
A network of arteries and veins that provide the pathway for blood to travel.

The circulatory system allows blood to circulate and transport nutrients, oxygen, hormones and blood cells to and from the cells in the body to provide nourishment and help fight diseases.



Blood

- Transports oxygen and nutrients to the lungs and tissues
- Forms blood clots to prevent blood loss
- Carries cells to fight infection
- Brings waste products to organs
- Regulates body temperature



Nutrients

A substance that provides nourishment essential for the maintenance of life and for growth.

Organs

Part of an organism that has a vital function

Muscles

A band of fibrous tissue that can contract and produce movement in the body.

Veins

Tubes forming part of the bloody circulation system of the body, carrying blood without oxygen to the heart.

Blood vessel

A tubular structure carrying blood through the tissues and organs

Blood

Red liquid that circulates in arteries and veins, carrying oxygen to and carbon dioxide from tissues in the body.

Arteries

Muscular-walled tubes that transport blood from the heart to other parts of the body

