## Key Vocabulary

**Internal organs** 

**Heart** 

Lungs

Liver

**Kidney** 

**Brain** 

**Skeleton** 

Muscle

**Digest** 

**Circulatory system** 

Blood

**Blood vessels** 

**Impact** 

Diet

**Exercise** 

**Drugs** 

Lifestyle

**Nutrients** 

Water

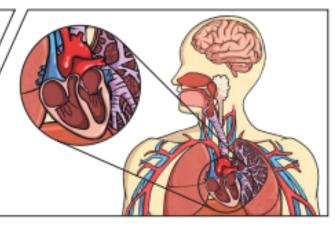
**Damage** 

**Alcohol** 

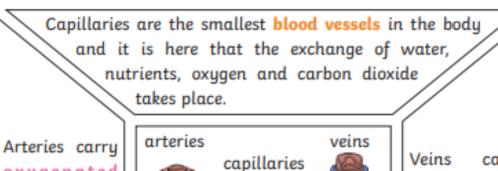
**Substance** 

The heart pumps blood to the lungs to get oxygen.

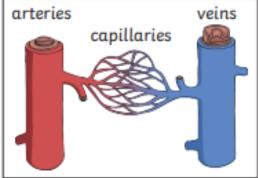
It then pumps this oxygenated blood around the body.



Mammals have hearts with to bodu from four chambers. Notice bodu the blood that how to has come from the body is lungs deoxygenated, and the blood that has come from lungs the lungs is oxygenated again. The blood isn't from bodu actually red and blue: we just show it like deoxygenated oxygenated that on a diagram. blood blood



oxygenated
blood away
from the
heart.



Veins carry deoxygenated blood toward the heart.

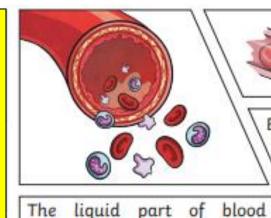
If you linked up all of the body's blood vessels, including arteries, capillaries, and veins, they would measure over 60,000 miles.

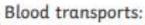
## **Key Questions:**

Can you identify and name parts of the circulatory system?
Can you explain the function of the heart, blood vessles
and blood?

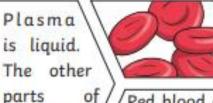
Can you explain the impact of a healthy/unhealthy lifestyle?

Can you explain how nutrients and water are transported? within animals, including humans?





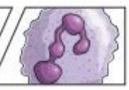
- gases (mostly oxygen and carbon dioxide);
  - nutrients (including water);
  - waste products.



your blood

are solid.

Platelets help you stop bleeding when you get hurt.



Red blood cells carry oxygen through your body.



/White blood cells fight infection when you're sick.

the right amounts.

Regular exercise:

 strengthens muscles including the heart muscle;

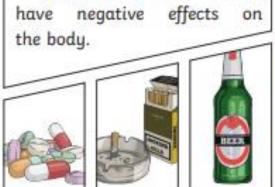
contains water and protein.

improves circulation;

This is called plasma.

- increases the amount of oxygen around the body;
- releases brain chemicals which help you feel calm and relaxed;
- helps you sleep more easily;
- strengthens bones.

It can even help to stop us from getting ill.



Drugs, alcohol and smoking





A healthy diet involves eating

the right types of nutrients in



