



Y3/Y4 -As Scientists, our big question is...

What would a journey through your body look like? (Respiration and Circulation)



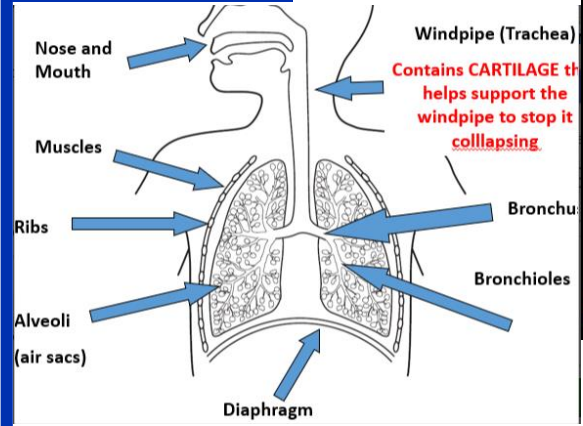
REMEMBERING
Prior Learning

Oxygen

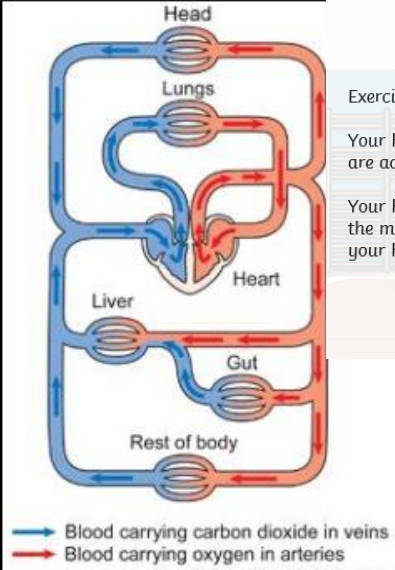
Your body needs a constant supply of oxygen. Oxygen is one of the main gases that make up air, and animals and plants need it to survive. Our bodies get this oxygen by breathing. We inhale, or breathe in air.



UNDERSTANDING
Sticky Knowledge

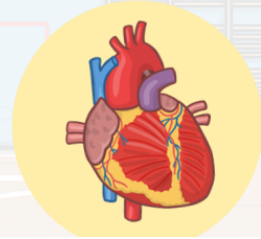


- The lungs and their alveoli help oxygen get into the blood
- The heart pumps oxygenated blood to the muscles
- Lung capacity is measured in cm^3
- During respiration, we breathe in oxygen and breathe out carbon dioxide.
- Our heart is an organ made from muscle and the muscle grows, and is kept Healthy, when we exercise



Exercise Is Good for My Heart

Exercise is also very important for the organs inside your body. Your heart becomes very strong when you are active and exercise. Your heart is a muscle. This means that the more active you are, the stronger your heart gets.



APPLYING
My Aspirations

Biologists study life in all its different forms, researching important processes and how organisms relate to their environment. There are a wide range of specialist jobs in the field of biology, including microbiologists, physiologists, geneticists, zoologists and ecologists.

What are the definitions of each of these Science topic words?

(A) Respiration	(B) Lungs	(C) Lung capacity	(D) Oxygenated blood	(E) Carbon dioxide	(F) Heart
The action of breathing.	The pair of organs situated within the ribcage.	It refers to the volume of gas in the lungs at a given time	Blood with oxygen in it.	The gas released from the body when we exhale	The organ that pumps blood around the body.