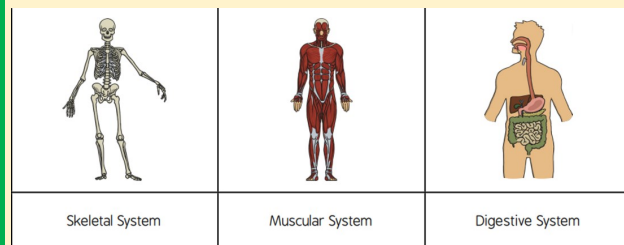


Year 5/6 Science: Animals including humans

EQ: What do you already know about systems in the body?



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|--|--|--|
| <ul style="list-style-type: none"> Support the body Give the body shape Protect the body Enable movement | <ul style="list-style-type: none"> Allow the body to move Give control over movement | <ul style="list-style-type: none"> Break down food into nutrients Extract water from food Excrete waste from the body |
|--|--|--|

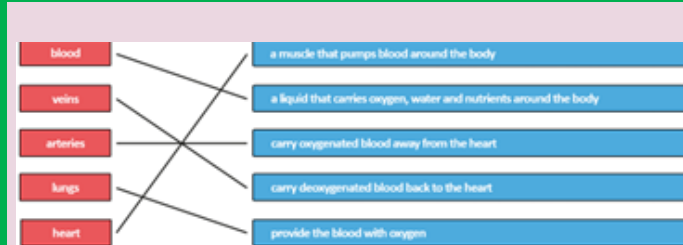
heart		The organ which constantly pumps blood around the circulatory system.
circulatory system		A system which includes the heart, veins, arteries and blood, transporting substances around the body.

EQ: How are oxygen, water and nutrients transported and how do we get rid of carbon dioxide?

Blood vessels are made up of arteries which take oxygen to your body and veins which take carbon dioxide from your body.

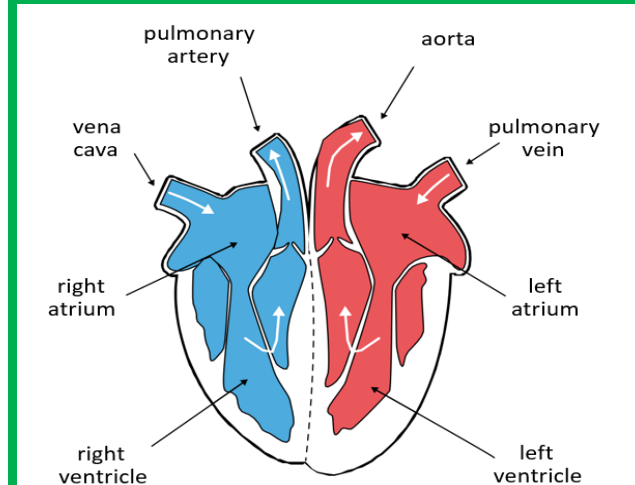
oxygen		A colourless, odourless, tasteless gas we breathe in to keep our cells alive.
carbon dioxide		A chemical compound made up of one carbon and two oxygen atoms: CO ₂ . It is made by tissues in our bodies and needs to be removed from our body.

EQ: What are the main parts of the circulatory system?



lungs		Bag-like organs used for breathing. They are part of the body's respiratory system. They are protected by the ribs.
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EQ: What are the main parts of the heart?



EQ: How do blood vessels work?

Arteries carry blood away from the heart

Veins carry blood back to the heart

Capillaries are tiny vessels which carry blood into your organs and tissues

Artery	thick, elastic wall small lumen	
Vein	thin wall large lumen valve	
Capillary	single cell wall	

EQ: What is blood made up from and what happens when oxygen is added?

