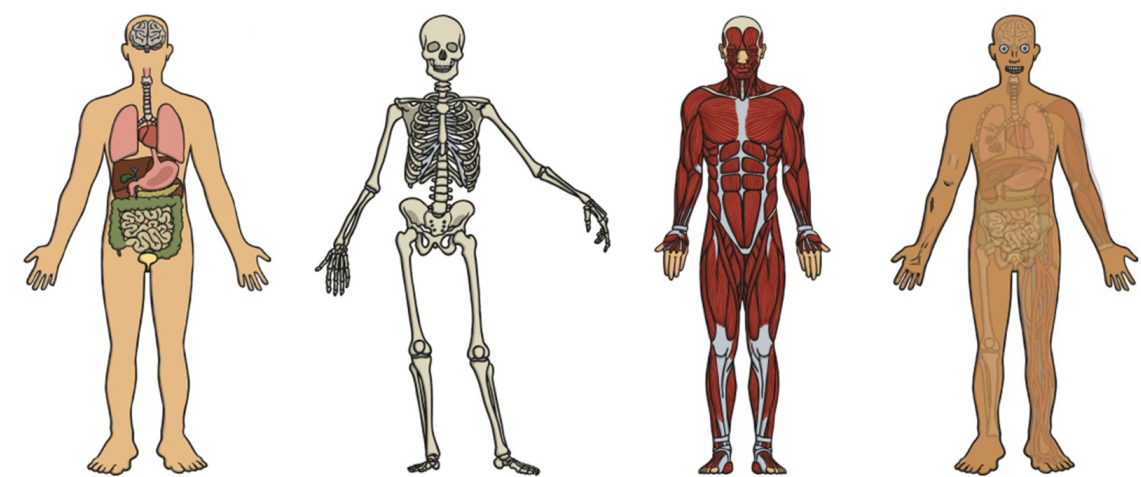


Year 6



Animals
including
Humans

| Key Vocabulary | | | |
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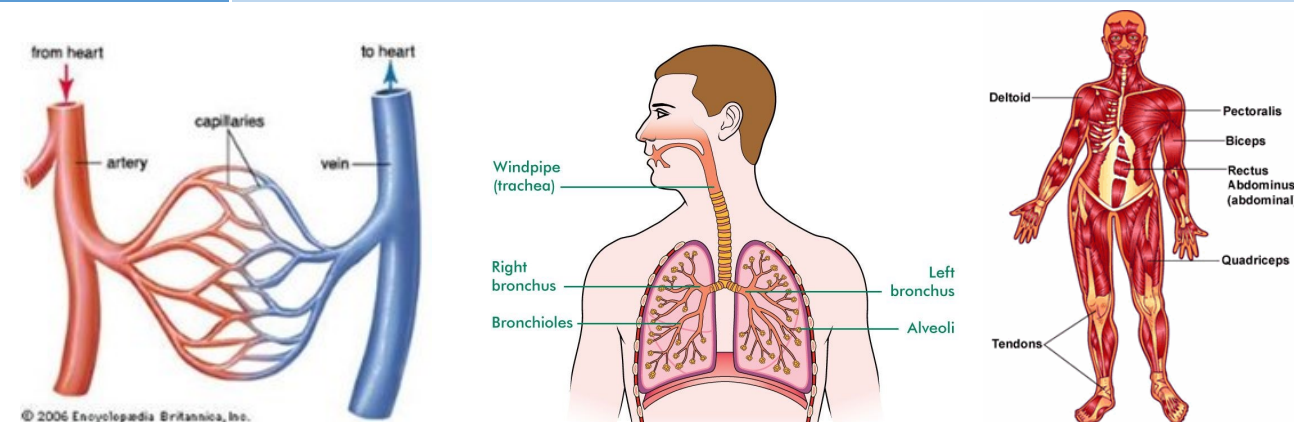


Pre existing knowledge

- Which things are living and which are not.
- Classification of animals (e.g. amphibians, reptiles, birds, fish, mammals, invertebrates).
- Animals that are Carnivores, herbivores and omnivores.
- Animals have offspring which grow into adults.
- The basic needs of animals for survival (water, food, air).
- The importance of exercise, hygiene and a balanced diet.
- Some animals have skeletons for support, protection and movement.
- The basic parts of the digestive system and the different types of teeth in humans.
- Respiration is one of the seven life processes.
- The life cycle of a human and how we change as we grow.

Key points

| | |
|--|---|
| What is the circulatory system? | The circulatory system is made of the heart, lungs and the blood vessels. Arteries carry oxygenated blood from the heart to the rest of the body. Veins carry deoxygenated blood from the body to the heart. Nutrients, oxygen and carbon dioxide are exchanged via the capillaries. |
| Choices that can harm the circulatory system | Some choices, such as smoking and drinking alcohol can be harmful to our health. Tobacco can cause short-term effects such as shortness of breath, difficulty sleeping and loss of taste and long-term effects such as lung disease, cancer and death. Alcohol can cause short-term effects such as addiction and loss of control and long-term effects such as organ damage, cancer and death. |
| Why is exercise so important? | Exercise can: <ul style="list-style-type: none">• Tone our muscles and reduce fat.• Increase fitness.• Make you feel physically and mentally healthier.• Strengthens the heart.• Improve lung function.• Improve skin. |



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Key Vocabulary

| | |
|----------------------|---|
| Oxygenated | Blood that contains oxygen. |
| Deoxygenated | Blood that does not contain oxygen. |
| Blood vessels | Tubes that your blood flow through – arteries, veins and capillaries. |
| Capillaries | Tiny blood vessels. |
| Veins | Blood vessels that carries deoxygenated blood from the rest of your body back to your heart. |
| Vena cava | Large vein which deoxygenated blood reaches your heart from the body. |
| Pulse | The regular pumping or beating of blood through your body. Your pulse can change speed depending on the activity you are doing. |
| Organ | A part of your body with a purpose. |
| Nutrients | Substances that help plants and animals to grow. |
| Respiration | respiring- breathing, inhaling and exhaling (in KS3 this is known as ventilation). |
| Aorta | The main artery where blood leaves the heart to be pumped through the body. |
| Arteries | Tubes that carry oxygenated blood from the heart to the rest of the body. |
| Atria and ventricles | Chambers in the heart. |
| Heart | Organ in the body that pumps blood around the rest of the body. |
| Lungs | Organs that fill when air when you inhale. They oxygenate blood and remove carbon dioxide from it. |
| Carbon dioxide | By-product of animals and people exhaling. |
| Oxygen | Colourless gas that animals and humans need to inhale to survive. |