

Knowledge Organiser Year 3 (Autumn 2022)

We learn science because it helps us to understand the world around us. We learn to ask and answer our own and others' questions, and to tell others what we have found out.

Animals and humans

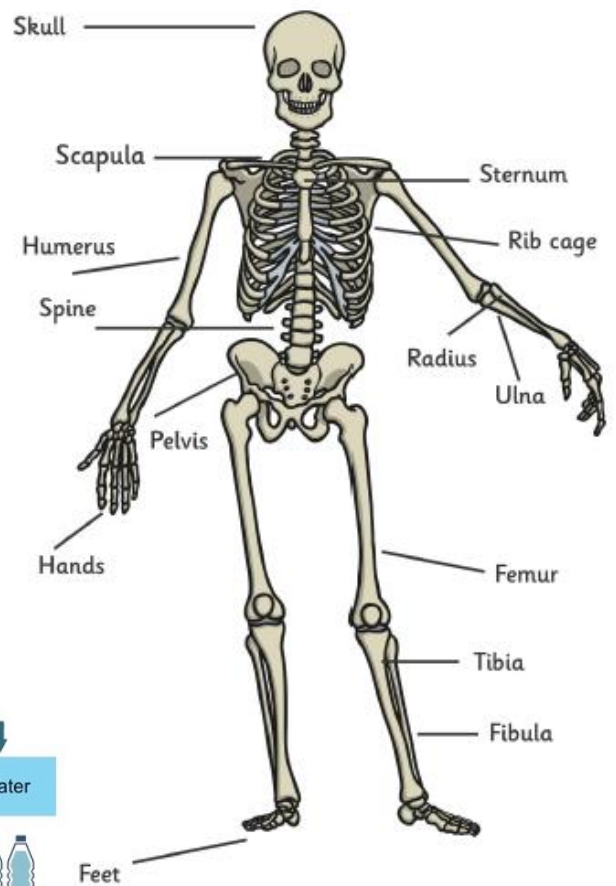
Teeth

Animals have different types of teeth to break down food into digestible pieces in their mouth.

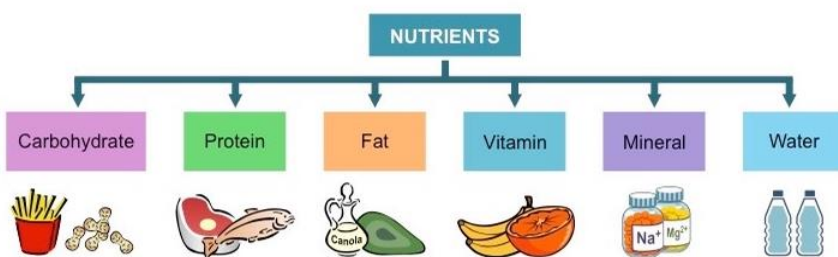


The **skeleton** has three main functions:

- to **support** your body and keep it upright
- to **protect** your organs from damage
- to help your body **move** around

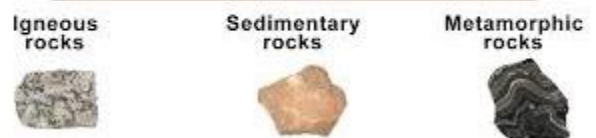


Types of Nutrients



<u>Rocks and soils: Key Words</u>	
rock	A solid material made of minerals which makes up the earth's surface.
fossil	The remains or impression of a plant or animal embedded in rock.
organic	Made of living things.
soil	The top layer of the Earth.
magma	Hot, liquid rock below the earth's surface.
lava	Hot, liquid rock which has erupted from a volcano.
solidify	Turns from liquid to solid.
porous	Having tiny holes which water or air can pass through.
mineral	A solid, natural inorganic (not made of living matter) material.

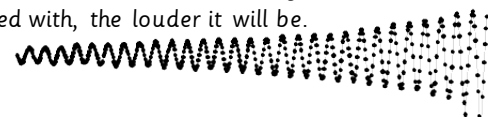
Types of Rocks



<p>Formed when volcanoes erupt and the magma from the volcano cools and solidifies.</p> <p>Sometimes smooth, sometimes porous</p> <ul style="list-style-type: none"> • Usually dark coloured and heavy • Might have a glassy appearance • Might have a crystal-like appearance 	<p>Formed when sand, mud and pebbles are laid down in layers. Eventually, the layers are pressed together into a rock.</p> <ul style="list-style-type: none"> • Grainy and light-coloured • May see obvious layers in the rock • Sometimes have fossils in! • Easy to chip 	<p>Formed deep in the Earth when heat and pressure are applied to either igneous and sedimentary rocks.</p> <p>Often have different textures in the same rock</p> <ul style="list-style-type: none"> • May have layering / stripes which aren't straight • Possible to see parts of sedimentary or igneous rocks in them
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Sound

Sound is created by vibrations. Vibrations travel from a source through a medium (a solid, liquid, or a gas) to reach your ear. The particles in the medium vibrate as the sound wave travels through it. The more energy a sound is produced with, the louder it will be.



Electricity

Common appliances that use electricity.

