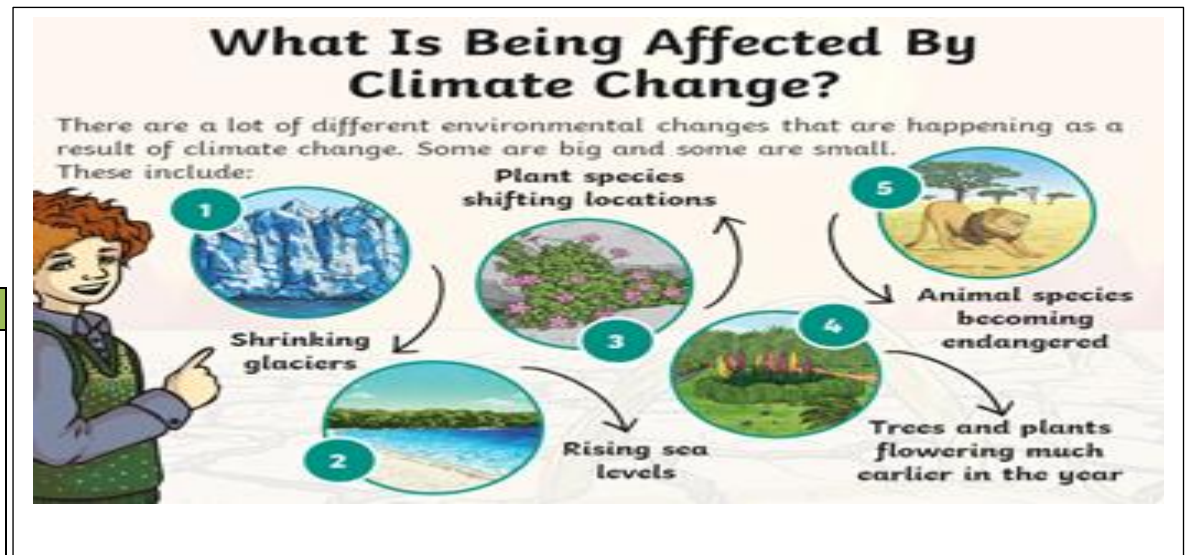


## Knowledge Organiser Year 6 – Our Changing World

Key Facts	
What is climate change?	Climate change is a term used by experts when describing the way that both weather and climate systems are changing as a result of mankind's industrial activity across the world.
What is global warming?	Global warming (a large part of climate change) is the increase in temperature of Earth. Hotter weather might sound lovely but the reality is very different.
What is deforestation?	Deforestation is the name given to the destruction of the rainforest and this is being done by burning them down, chopping down the trees or flooding the areas.
What is renewable/ non-renewable energy?	Renewable energy comes from natural resources that are naturally replenished, such as sunlight, wind and waves. Non-renewable energy comes from natural resources that are not naturally replenished, such as oil and coal.
What is a carbon footprint?	The amount of carbon you produce as a result of your daily activities is known as your carbon footprint. Everything we do has an impact on the environment. If we made small changes to our daily routine, we could reduce our carbon footprint and have a positive effect on the environment.

Vocabulary	
Climate	The weather conditions in an area in general or over a long period.
Climate Zone	Climate zones are areas with distinct climates
Erosion	Erosion is the wearing away of the land by forces such as water, wind, and ice.
Weathering	Weathering is the process where rock is dissolved, worn away or broken down into smaller and smaller pieces.
Global Warming	The increase in Earth's average temperature over a long period of time.
Deforestation	Deforestation is the clearing, or cutting down, of forests.
Renewable Energy	Renewable energy uses energy sources that are not "used up". For example, solar power from the sun is renewable as we won't "use up" all the sunlight from the sun.
Sustainability	Sustainability means using natural resources in a way that we could keep doing for a long time.
Carbon Dioxide	Doing something that burns fuel will make carbon dioxide gas in the smoke.
Carbon Footprint	The term carbon footprint is how much carbon goes into the air because of something done by people.

What they should already know?
<ul style="list-style-type: none"> <li>The <b>town</b> live in is called Huyton, which is in Liverpool. There are <b>villages</b> and <b>towns</b> in Liverpool, some of which are <b>coastal</b>.</li> <li>Liverpool is in England, which is a <b>country</b>. England, which is in the United Kingdom, is in the <b>continent</b> of Europe.</li> <li>The <b>capital cities</b> of the four <b>countries</b> that make up the United Kingdom, their characteristics and surrounding <b>seas</b> of the United Kingdom.</li> <li>Land-use patterns in the local area and how they have changed over time.</li> <li>The terms <b>urban</b> and <b>rural</b> and use them to describe areas of the UK.</li> </ul>



## Knowledge Organiser Year 6 – Our Changing World

- How to locate places using four figure grid references.
- How to identify features such as hills, mountains, coasts and rivers on a map.

### What should I already know?

- The **town** live in is called **Huyton**, which is in Liverpool. There are **villages and towns** in Liverpool, some of which are **coastal**.
- Liverpool is in England, which is a **country**. England, which is in the United Kingdom, is in the **continent** of Europe.
- The **capital cities** of the four **countries** that make up the United Kingdom and their characteristics.
- The surrounding **seas** of the United Kingdom.
- Land-use patterns in the local area and how they have changed over time.
- The terms **urban** and **rural** and use them to describe areas of the UK.
- How to locate places using four figure grid references.
- How to identify features such as hills, mountains, coasts and rivers on a map.