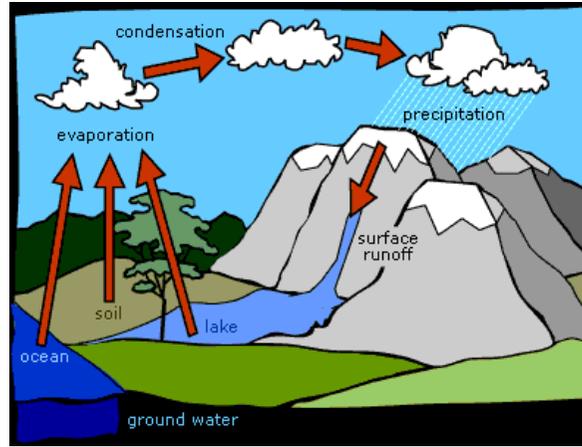


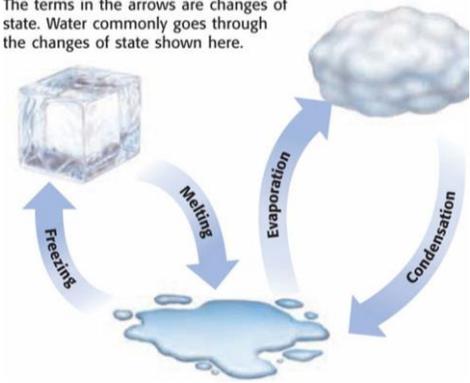


Vocabulary

<b>condensation</b>	the process where a gas turns into a liquid
<b>evaporation</b>	the process where a liquid turns into a gas
<b>freezing</b>	the process where a liquid turns into a solid
<b>gas</b>	a material that spreads to completely fill the area that it is in and does not keep its shape
<b>liquid</b>	a material that takes the shape of the container that it is in and can flow and be poured
<b>mass</b>	how much matter makes up an object
<b>matter</b>	anything that takes up space. Matter is all around us and can be in the state of a solid, liquid or gas.
<b>melting</b>	the process where a solid turns into a liquid
<b>particles</b>	microscopic pieces of matter that all materials are made up of
<b>precipitation</b>	the release of water droplets from clouds which fall to the ground. Precipitation can be in the form of rain, sleet, snow or hail.
<b>solid</b>	a material that keeps its shape unless a force is applied to it
<b>state</b>	the form that a material is in. There are three states: solid, liquid and gas.
<b>surface runoff</b>	the process where water runs from land back into oceans
<b>water cycle</b>	the continuous journey that water makes around the world, travelling from oceans, to the sky, to earth and back to the oceans
<b>weight</b>	how heavy something is



The terms in the arrows are changes of state. Water commonly goes through the changes of state shown here.



What we will be learning about:

- Identifying materials that are solids, liquids and gases.
- Describing the properties of solids, liquids and gases.
- Comparing how particles are arranged and how they behave in solids, liquids and gases.
- Identifying the melting and freezing points of water as well as several other materials
- How heating and cooling causes materials to melt, freeze, evaporate and condense.
- Investigating the effect of temperature on the rate of evaporation.
- The different stages of the water cycle.

What should I already know?

- Be able to name different materials and their properties.
- Know that ice is water as a solid
- Know that when a liquid is cooled it freezes.

State	Solid	Liquid	Gas
Diagram			
Arrangement of particles	Regular arrangement	Randomly arranged	Randomly arranged
Movement of particles	Vibrate about a fixed position	Move around each other	Move quickly in all directions
Closeness of particles	Very close	Close	Far apart