## **5D CHANGING STATE**

## **Glossary**

**aeration** - in sewage treatment the process of blowing air bubbles through the waste water in order to help bacteria digest waste matter

**boiling point** – the temperature above which a liquid becomes a gas

**change of state** – the process of change from one state of matter to another

**condensation** – the process of change from a gas into a liquid

to condense - verb

**evaporation** – the process of change from a liquid into a gas

to evaporate - verb

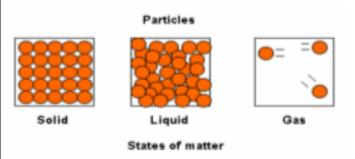
**freezing** – the process of change from a liquid into a solid

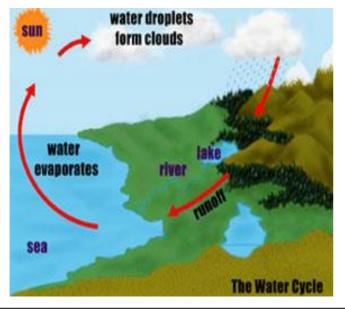
to freeze - verb

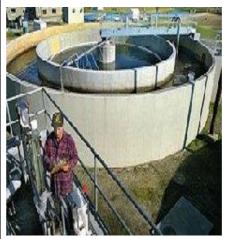
**freezing point** – the temperature below which a liquid becomes a solid – for water this is 0°C

gas – one of the three states of matter. Gases move to fill any available space. The particles in a gas are very far apart from each other and move freely

**liquid** – one of the three states of matter. In a liquid the particles are not as close together as in the solid form. Liquids can be poured and take on the shapre of the container they are placed in







Sewage goes to a **sewage treatment** works. Sewage goes
through a process of **aeration** to
help bacteria digest waste mater



Drinking water has all dirt and germs removed before it gets to us, this is known as water purification melting – the process of change from a solid into a liquid to melt - verb

**melting point -** the temperature above which a solid becomes a liquid

**pure substance** – matter that is not a mixture of things

**sewage treatment** – the process of cleaning and purifying sewage water for return to a river, lake or sea

**solid** – one of the three states of matter. Solids keep their shape. The particles of a solid are very close together

**solidification** – the process of a liquid hardening to form a solid to **solidify** - verb

states of matter – all r

**states of matter** – all material exists in three states – **solid, liquid and gas** 

left water cycle – the cycle of events that occur naturally in the weather systems of the Earth where water moves

water purification — the process of removing dirt and germs from water to make it drinkable for humans

through its three states

A pure diamond is an example of a **pure substance** 



Melted chocolate will **solidify** if left in a cool place – this is called **solidification** 



The ice is solid, when heat is added, it reaches melting point and turns into a liquid. When more heat is added the water evaporates and turns into a gas. When the gas meets a cold surface, it condenses and turns back into a liquid.