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

to evaporate - verb

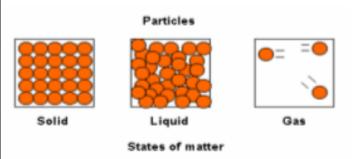
freezing – the process of change from a liquid into a solid

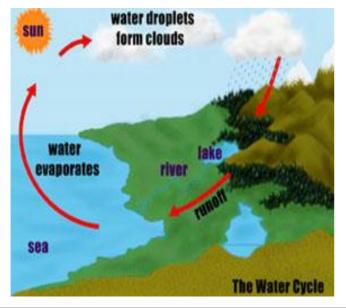
to **freeze** - verb

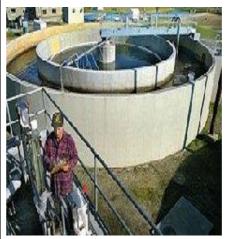
freezing point - the temperature below which a liquid becomes a solid – for water this is 0°C

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 material exists in three states - solid.

liquid and gas

water cycle – the cycle of events that occur naturally in the weather systems of the Earth where water moves through its three states

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

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.