## Changing State Fact Sheet



This ice is solid.

When heat is added, the ice reaches melting point.

The ice has completely melted and is now a liquid.



When more heat is added, the water **evaporates** and becomes **a gas.** When the gas meets a cold surface it condenses, a turns back into a liquid.



Drinking water has all dirt and germs removed before it gets to us, this is known as water





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



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

## States of matter





solid

liquid

gas



A pure diamond is an example of a pure substance







## Changing State Glossary melting - the process of change from a solid into a liquid **aeration** - in sewage treatment the process of blowing air bubbles through the waste water in order to help bacteria melting point - the temperature above which a solid becomes a digest waste matter liquid **boiling point** - the temperature above which a liquid becomes a **pure substance** - matter that is not a mixture of things aas **change of state** - the process of change from one state of sewage treatment - the process of cleaning and purifying matter to another sewage water for return to a river, lake or sea condensation - the process of change from a gas into a liquid solid - one of the three states of matter. Solids keep their shape. The particles of a solid are very close together evaporation - the process of change from a liquid into a gas solidification - the process of a liquid hardening to form a solid freezing - the process of change from a liquid into a solid states of matter - all material exists in three states - solid. freezing point - the temperature below which a liquid becomes a liquid and gas solid - for water this is 0°C gas - one of the three states of matter. Gases move to fill any water cycle - the cycle of events that occur naturally in the available space. The particles in a gas are very far apart from weather systems of the Earth where water moves through its each other and move freely three states liquid - one of the three states of matter. In a liquid the partiwater purification - the process of removing dirt and germs cles are not as close together as in the solid form. Liquids can be

poured and take on the shape of the container they are placed in

from water to make it drinkable for humans

