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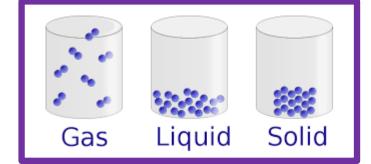


## Science Topic : States of Matter

То	understan	d:
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To understand.				
• That all materials are solids, liquids or				
gases.				
• The structure of particles in a solid, liquid or				
gas.				
• Whether a material is a solid, liquid or a gas				
dependent on its properties.				
<ul> <li>Some materials can change their state</li> </ul>				
when they are heated or cooled to a certain				
temperature.				
<ul> <li>How to measure a temperature using a</li> </ul>				
thermometer and recognising ( ° C )				
• Evaporation is when a liquid is heated and				
turns into a gas.				
<ul> <li>Condensation is when a gas is cooled and</li> </ul>				
turns into a liquid.				
• The water cycle and explain the process.				
• The rate of evaporation depends on				
temperature.				
<ul> <li>Precipitation and how this is related to</li> </ul>				
weather.				





Key VocabularyMatterAnything that takes up space is called matter. Air, water, rocks, and even people are examples of matter.MaterialsThe substance used to make something is called a material.PropertiesThe property of a material is something about it that we can measure, see or feel.StateThe condition that someone or something is in.TemperatureThe degree or intensity of heat present in a substance or object. (Measured with a thermometerCondensationWater which collects as droplets on a cold surface when humid air is in contact with it.Water CycleThe continuous process by which water is circulated throughout the earth and the atmosphere through evaporation and condensation.EvaporationEvaporation is a process where liquids change to a gas or vapour. Water changes to a vapour or steam from the energy created when molecules bounce into one another because they're heated upPrecipitationThe liquid and solid water particles that fall from clouds and reach the ground are known as precipitation.SolidA solid can hold its shape (for example, water in solid form is ice).LiquidA liquid like water forms a pool: it flows or runs but it can't be stretched or squeezed; if it is in an unsealed container it escapes (water in gas form is steam).WeightWeight is the measure of the force of gravity on an object.MassMass is a measurement of how much matter is in an object	Year 4		Term 1	
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