

# Year 4: Is it a solid, a liquid or a gas?

Subject Specific Vocabulary		Stages of the water cycle		Sticky Knowledge about water			
<b>water vapour</b>	Water that is in the form of gas.	<b>1</b>	The sun heats up rivers, lakes and the sea.	<b>1</b>	Water can exist in three forms: liquid (water), solid (ice) or gas (water vapour).		
<b>condensation</b>	When water vapour that is around us changes from a gas back to liquid.	<b>2</b>	Water evaporates into the air. This is called water vapour.	<b>2</b>		About 70% of Earth is covered in water.	
<b>precipitation</b>	Any watery substance such as rain, water, snow, hail or sleet that falls to Earth.	<b>3</b>	The water vapour rises, cools and condenses to water in the form of clouds.	<b>3</b>	There are underground reservoirs called aquifers.		
<b>evaporation</b>	When liquid changes into gas, usually when it heats up.	<b>4</b>	The droplets in the clouds become too heavy and fall as rain, snow or hail.	<b>4</b>	Some water in the ground may stay there for thousands of years.		
<b>substance</b>	Any solid, liquid, powder or gas is a substance.	<b>5</b>		The rain, snow or hail is then collected in rivers that run off to the sea.		<b>5</b>	Water can be used to create electricity through a hydro-electric power station.
<b>matter</b>	Any solid, liquid or gas that exists in the universe.	<b>6</b>	The cycle starts again.	<b>6</b>	The Nile is 4132 miles long, making it the longest river in the world.		
<b>lava</b>	Very hot liquid that comes out of a volcano.					<b>7</b>	Humans are made up of about 75% water.
<b>solid</b>	A substance that stays the same shape. Its particles do not move.					<b>8</b>	97% of water is in the oceans (this is salty water) and 2% is in the ice caps, leaving only 1% available for us to drink.
<b>liquid</b>	Liquids will flow as they are made up of loosely packed particles.						
<b>gas</b>	Gaseous matter is made up of matter that is so loose it is always moving.						