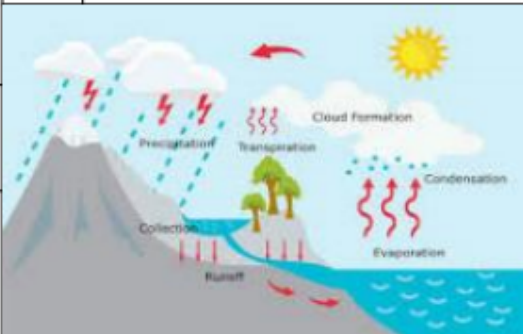


Year 4: States of Matter Knowledge Mat

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