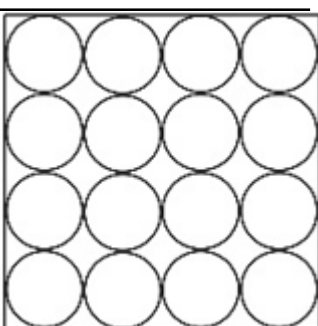
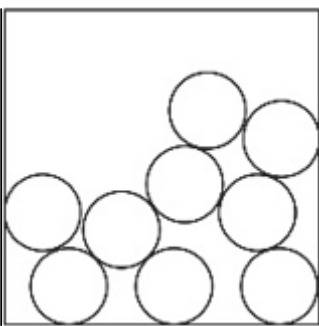
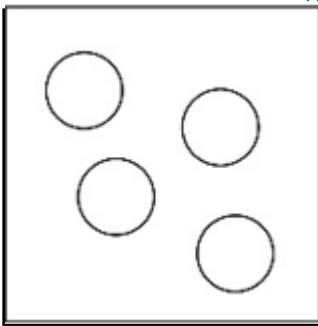
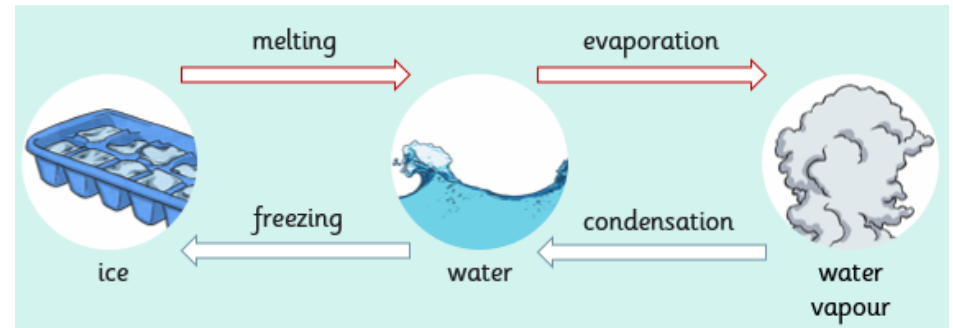
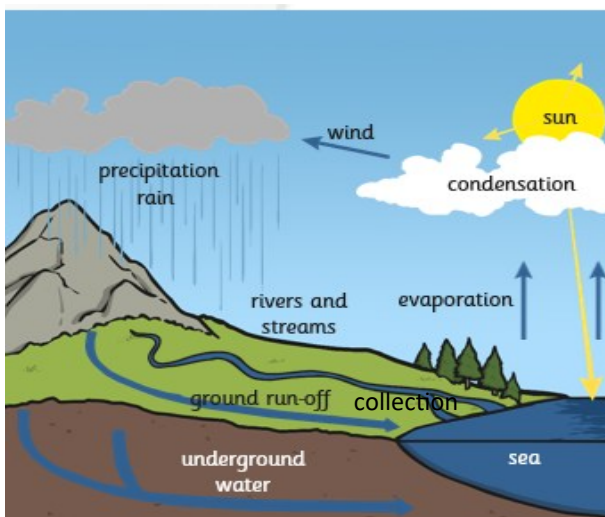


Chemistry – State of Matter

Subject Specific Vocabulary	
solid	Solids keep their shape. They always take up the same amount of space. Solids can be cut or shaped.
	The particles of a solid are closely packed together and do not move freely.
liquid	Liquids can flow or be poured easily. Liquids change their shape depending on the container they are in.
	Even when liquids change their shape, they always take up the same amount of space. The particles in a liquid flow over one another.
gas	Gases do not have a fixed shape. They spread out and change their shape and volume to fill up whatever container they are in.
	The particles in gases move freely.
evaporation	The process of changing from a liquid to a gas.
condensation	The process of changing from a gas to a liquid.
particles	Tiny bits of matter that make up everything in the universe.
temperature	A degree of hotness or coldness.
degrees Celsius	A unit commonly used to measure temperature
water cycle	The way that water moves between being water vapour to liquid water and then back to water vapour.
	An example of the water cycle is when water evaporates from oceans and then returns to the land in the form of rain.
state	The condition of matter.

Associated Diagram	
Draw how the particles in each state of matter would be arranged. solid  liquid  gas 	
 Complete the diagram, labelling the arrows: freezing melting condensation evaporation	
 Label the diagram of the water cycle: evaporation condensation precipitation collection	

Sticky Knowledge	
Name three examples of solids. E.g. metal, wood, plastic, salt, cardboard	
Name three examples of gases. E.g. carbon dioxide, oxygen, helium	
Name three examples of liquids. E.g. water, coke, petrol	
What is the name for the process of a solid becoming a liquid? What is the name of the temperature at which this process happens to a solid? Melting, melting point	
Use scientific vocabulary to explain how wet clothes on a washing line become dry. evaporation causes the liquid on the wet clothes to turn into gas/water vapour	
When liquid water evaporates and becomes a gas, what is the name of the water in its gaseous form? Water vapour	
Water droplets fall to earth as precipitation. Name three types of precipitation. Snow, hail, sleet, rain	
Using scientific vocabulary, explain how clouds are formed. Water vapour in the air rises, and as it does so, it cools down. Eventually, it cools enough for the water vapour to condense and form small droplets of water. The droplets of water clump together to form clouds.	