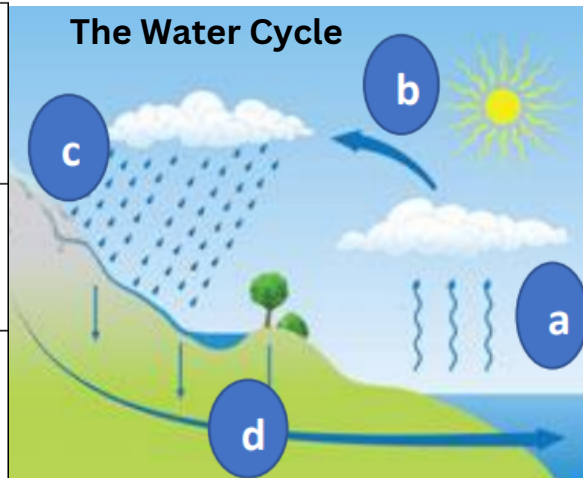






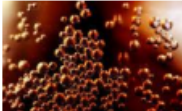


|          |                                                                                                                                                                                                                                       |
|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>a</b> | <b>Water evaporates into the air</b><br>The sun heats up water at the surface of seas, rivers, lakes and turns it into water vapour. The water vapour rises into the air.                                                             |
| <b>b</b> | <b>Water vapour condenses into clouds</b><br>Water vapour in the air cools and changes back into tiny drops of liquid water, forming clouds.                                                                                          |
| <b>c</b> | <b>Water falls as rain snow, sleet etc</b><br>When too much water has condensed the water droplets in the clouds get too heavy and water falls back down to Earth in the form of rain, snow, sleet etc. This is called precipitation. |
| <b>d</b> | <b>Water returns to the sea.</b><br>Rainwater runs over the land and collects in lakes or rivers which take it back to the sea.<br><b>The cycle starts all over again</b>                                                             |



| Significant scientist                                                                                                       |                                                                                                                                                                                                                         |
|-----------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Bernard Palissy</b><br>(1510-1590)<br> | Bernard Palissy was a French potter and scientist. He is often credited as the man who 'discovered' the modern theory of the water cycle. He asserted that rainfall alone was sufficient for the maintenance of rivers. |

| Key vocabulary         |                                                                                                                     |
|------------------------|---------------------------------------------------------------------------------------------------------------------|
| <b>change of state</b> | When a material changes from one state to another.                                                                  |
| <b>melting</b>         | A solid changing into a liquid.                                                                                     |
| <b>freezing</b>        | When a liquid becomes cold enough to turn solid, it freezes.                                                        |
| <b>melting point</b>   | The temperature at which a solid becomes a liquid.                                                                  |
| <b>boiling point</b>   | The temperature at which a liquid turns into a gas.                                                                 |
| <b>evaporation</b>     | When liquid changes into a gas.                                                                                     |
| <b>condensation</b>    | The process when a gas changes into a liquid, caused by cooling.                                                    |
| <b>water cycle</b>     | The never-ending process of water moving from the oceans, up into the atmosphere, and back to the Earth and oceans. |
| <b>temperature</b>     | The measure of how hot or cold something is.                                                                        |

|                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                          |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| A <b>solid</b> keeps its shape and has a fixed volume.<br>ice  sugar  | A <b>liquid</b> has a fixed volume but changes in shape to fit the container. It can be poured.<br>water  honey  | A <b>gas</b> fills all the available space; it has no fixed shape or volume.<br>water vapour  bubbles in cola  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

