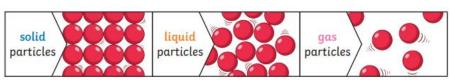
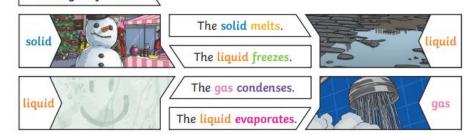


Vocabulary		
solida	noun	One of the three states of matter. Solid particles are very close together, meaning solids,
		such as wood and glass, hold their shape.
liquids	noun	This state of matter can flow and take the shape of the container because the particles
,		are more loosely packed than solids and can move around each other. Examples of
		liquids include water and milk
gases	noun	One of the three states of matter. Gas particles are further apart than solid or liquid
		particles and they are free to move around. A gas fills its container, taking both the shape
		and the volume of the container. Examples of gases are oxygen and helium.
evaporating	verb	When a liquid turns into a gas or vapour.
condensing	verb	When a gas, such as water vapour, cools and turns into a liquid.
conductor	noun	A material that heat or electricity can easily travel through. Most metals are both thermal
		conductors (they conduct heat) and electrical conductors (they conduct electricity).
insulator	noun	An insulator is a material that does not let heat or electricity travel through them. Wood
		and plastic are both thermal and electrical insulators.



Changes of State

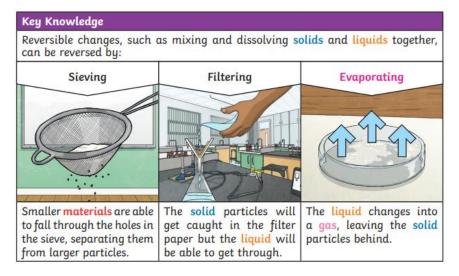


Learning Question:

What would you need to be a CSI investigator?

Scientific Enquiry Focus:

Observing changes over time



Different materials are used for particular jobs based on their properties: electrical conductivity, flexibility, hardness, insulators, magnetism, solubility, thermal conductivity, transparency.

Dissolving

A solution is made when solid particles mixed are with particles. liquid Materials that will dissolve known soluble. Materials that won't dissolve are known as insoluble. A suspension is when the particles don't dissolve.







Irreversible changes often result in a new product being made from the old materials (reactants). For example, burning wood produces ash. Mixing vinegar and milk produces casein

