

### What have I previously learned?

- Pupils should be able to distinguish between an object and the material from which it is made
- Identify and name a variety of everyday materials, including wood, plastic, metal and glass
- Describe the simple physical properties of a variety of everyday materials




### Sticky Knowledge

- A solid keeps shape and has a fixed volume
- A liquid has a fixed volume but changes in shape to fit the container. A liquid can be poured and keeps a level, horizontal surface
- A gas fills all available space – it has no fixed shape or volume
- Granular and powdery solids like sand can be confused with liquids because they can be poured. When they are poured as a heap each individual grain demonstrates the properties of a solid
- Melting changes the state from solid to liquid
- Freezing changes the state from liquid to solid

### Vocabulary - Goldilocks words

water vapour	Water that is in the form of gas.
condensation	When water vapour that is around us changes from a gas back to liquid.
precipitation	Any watery substance such as rain, water, snow, hail or sleet that falls to Earth.
evaporation	When liquid changes into gas, usually when it heats up.
substance	Any solid, liquid, powder or gas is a substance.
matter	Any solid, liquid or gas that exists in the universe.

### Prompts to help me in my learning

	Solid	Liquid	Gas
Arrangement of particles	Close together Regular pattern	Close together Random arrangement	Far apart Random arrangement
Movement of particles	Vibrate on the spot	Move around each other	Move quickly in all directions
Diagram			

### Useful links

[What are the states of matter? - BBC Bitesize](#)