

# PARTICLES

**Key Stage 2 Science**

- Distinguish substances in the solid and liquid states through observable properties.
- Describe observations of changes of state of water.
- Distinguish soluble and insoluble substances in the solid state by observing their behaviour when mixed with a solvent.

**Working scientifically**

- WS 1.2 Use a variety of models such as representational, spatial, descriptive [...] to develop scientific explanations and understanding of familiar and unfamiliar facts.
- WS 2.6 Make and record observations and measurements using a range of apparatus and methods.

**PRIOR  
LEARNING**



**PRE ASSESSMENT**

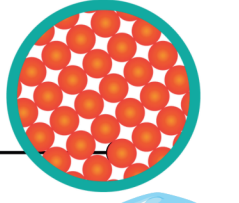


Consolidate prior learning

**PEER  
ASSESSMENT**

How well can I describe how solids, liquids and gases behave?

The particle model of solids, liquids and gases



Melting points



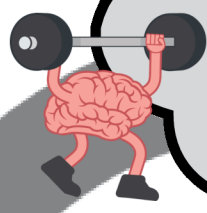
Evaporation and boiling points



**END OF TOPIC  
ASSESSMENT**



**KNOWLEDGE  
ASSESSMENT 2**



**TEACHER  
ASSESSMENT**

How well can I choose and explain the correct method of separating a mixture?



**Key Stage 3 topics**

- CELLS
- ELEMENTS
- HEATING & COOLING
- CHEMICAL REACTIONS

**LATER  
LEARNING**

**KNOWLEDGE  
ASSESSMENT 1**

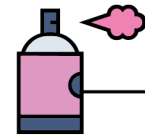


**SELF  
ASSESSMENT**

How well can I model the structure of the three states of matter?



Diffusion



Solubility



Dissolving and concentration



Separating techniques; filtering, distilling and chromatography

