

# States of Matter

## Recap:

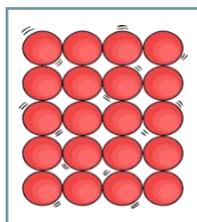
- EYFS: observing changes when we put ingredients in an oven. Cooking eggs, melting chocolate, ice and water (characteristics of liquid and solid)
- Liquids can be poured

## Crucial Knowledge:

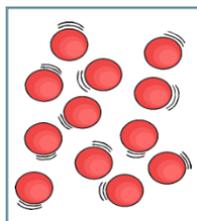
- **Solids** stay in one place and can be held.
- **Liquids** can flow or be poured easily
- **Gases** are often invisible.
- The water cycle is the constant flow of water from the ground, into the sky and back

## Extended Knowledge:

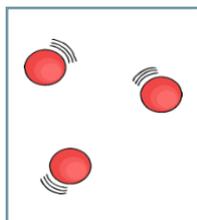
- Most solids keep their shape, they do not flow like liquids but some like sand or salt can be poured. They always take up the same amount of space – they cannot spread out like gases.
- Liquids they are not easy to hold, liquids change shape depending on the container they're in
- Gases do not keep their shape, they spread out and change shape and volume to fill up whatever container they are in.
- Change of state is when a material changes from one state into another
- Water boils at  $100^{\circ}\text{C}$
- Water melts and freezes at  $0^{\circ}\text{C}$
- Water Cycle: Water on earth heats up and evaporates. Water vapour rises. Water vapour in the air condenses and turns back into water.



solid



liquid



gas

