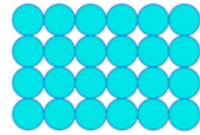
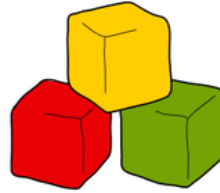


Year 4 Autumn 1 Science- States of Matter

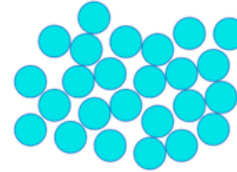
Key facts

1. The particles in a solid are rotating, vibrating or moving about a fixed point, close to each other
2. The molecules in a liquid move more and have more energy than particles in a solid but remain in close contact with each other
3. The particles in a gas have a lot of energy, moving around in a random way, hitting other particles and the walls of the container.
4. **Evaporation is when** heat is applied to a liquid the particles move around even faster, breaking away from each other and forming a gas or vapour.
5. **Condensation is when** a gas has heat removed from it; the particles in the vapour slow down, come together and loosely bond, returning to the liquid state.

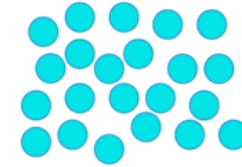
Solids



Liquids



Gasses



Scientific skills

- Make observations over time to answer a question
- Conduct a fair test
- Say what I have found out
- Measure accurately

Useful Vocabulary

- solid
- liquid
- gas
- evaporate
- condense
- heat
- cool
- melt
- solidify
- particles