

Key Stage 3 Precise Learning Points



Unit Number

C1

Unit Title

Particles

Chapter

Behaviour of Particles

Key Scientific Points

1. Solid = fixed shape
2. Liquid = flow
3. Gas = moves freely in all directions
4. All particles have mass
5. Particles are small units that make a substance
6. All particles move, and move faster as they are heated
7. Faster moving particles have a higher temperature
8. All particles attract each other
9. Some particles attract each other more than others.
10. The net effect of the movement of particles and their attraction determine what state they will be
11. In solids particles are vibrating and strongly attracted together
12. In liquids particles the attractions are partially overcome so can move but sufficient to keep them within the liquid
13. In gases particles are moving very fast and are far apart as the attractions are entirely overcome.