

Physics - Key Stage 3
Matter

Lesson 1 - Particle Theory

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OAK
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ACADEMY

Questions to check our learning.

Use the words at the bottom to complete these sentences.

1. The three states of matter are _____, _____, _____.
2. Particle Theory help us to explain the _____ of a substance, by explaining how its particles are _____.
3. It also considers how strong the _____ are between them and how much _____ the particles have.

liquid, arranged, properties, gas, energy, forces, solid



Independent Practice. Questions on our learning

Which state has....

- 1) Particles in fixed positions?
- 2) Particles far apart?
- 3) Particles with the most energy?
- 4) Particles close together but able to move?
- 5) Particles with the strongest forces between particles?
- 6) Particles with weaker forces of attraction, (but not almost no forces of attraction?)



Independent Practice. Questions on our learning

Explain these properties by stating the key points about the particles.

- 1) Why can gases be compressed?
- 2) Why can solids keep their shape?
- 3) Why do liquids flow?
- 4) Why do gases spread out quickly?
- 5) Why can't liquids be compressed?

