

# Chemistry — Full Revision

Name:

Date:

**INQUIRY**

**States of matter, particles, changes, mixtures, and separation — chemistry explains the materials around us.**

Discuss with your partner. Write your initial ideas below:

## Key Vocabulary

Term	Definition
Particle model	All matter made of tiny moving particles.
Diffusion	High→low concentration.
Filtration	For insoluble solids.
Evaporation	Get the solute.

## Full Revision (28 marks)

1. Draw particle diagrams for solid, liquid, gas. [3 marks]

2. Name 5 changes of state. [3 marks]

3. Explain diffusion using the perfume-in-classroom example. [3 marks]

4. Best technique for: (a) mud from water (b) salt from sea water (c) dyes from ink. [3 marks]

5. Is melting ice reversible or irreversible? Is cooking an egg? Explain both. [2 marks]