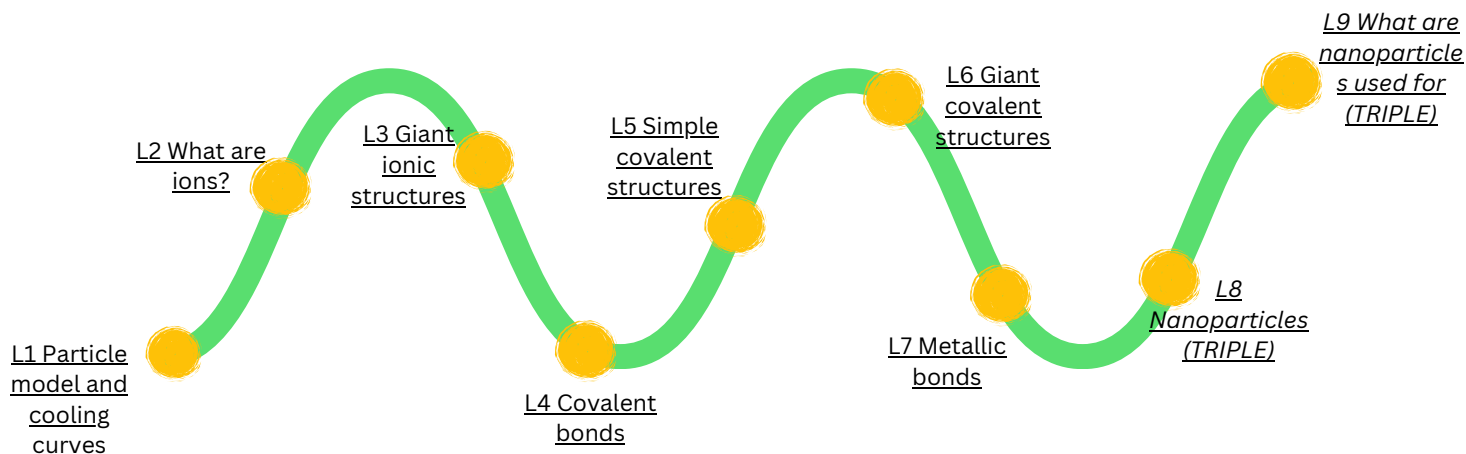


C2 Bonding , Structure and properties of matter

Chemistry Paper 1

In this unit, you will learn how different types of chemical bonding—ionic, covalent, and metallic—determine the structure and properties of substances, including their states of matter, conductivity, and melting/boiling points. It also examines how understanding bonding and structure helps scientists design materials for specific uses, including innovative applications of nanoparticles in technology and medicine.



Key words

- Alloy
- Covalent Bond
- Delocalised Electron
- Fullerene
- Gas
- Giant covalent structure
- Giant lattice
- Intermolecular forces
- Ionic bond
- Liquid
- Nanoscience
- Particle theory
- Polymer
- Solids
- States of matter
- Product
- Proton
- Shell
- State symbol
- Word equation
- Alkali metal
- Halogen
- Transition element
- Universal indicator

Revision Resources

[Sample exam style questions](#)

[Cognito Topic 2 Bonding](#)

[BBC Bonding, Structure and the properties of matter](#)

[Free Science Lessons](#)

[Seneca Learning](#)