

A-Level Notes for Pearson Edexcel

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Math

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Biology

2.1 Molecules, Transport and Health

2.1.1 Chemistry for Biologists

Chemistry of Life

Ionic Bonding (离子键)

- **Definition:** Atoms transfer electrons to achieve a stable electron configuration, resulting in positively charged cations and negatively charged anions.
- **Key Properties:**
 - High melting and boiling points.
 - Solubility in polar solvents like water.
- **Example:** Sodium (*Na*) and Chlorine (*Cl*) form sodium chloride (*NaCl*). Sodium donates an electron to chlorine, forming a strong ionic bond.

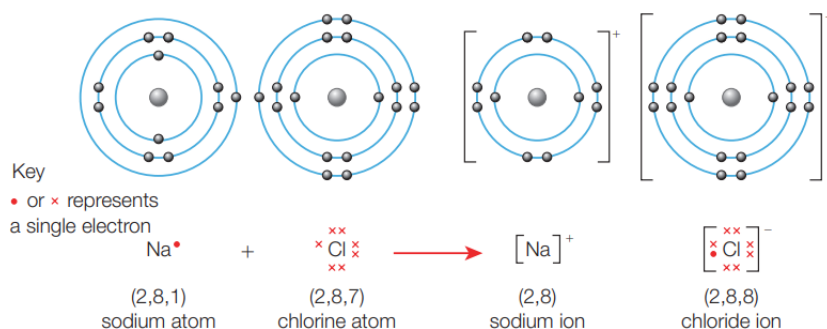


Figure 2.1: The formation of sodium chloride.

Covalent Bonding

Chapter 3

Chemistry

Chapter 4

Physics