



PiXL GetIT!

GCSE Chemistry

Topic – Bonding

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Covalent bond – between **non-metals**. **Shared pair** of **electrons**.

Ionic bond – between a **metal** and a **non-metal**. The **transfer** of electrons to form **ions**.

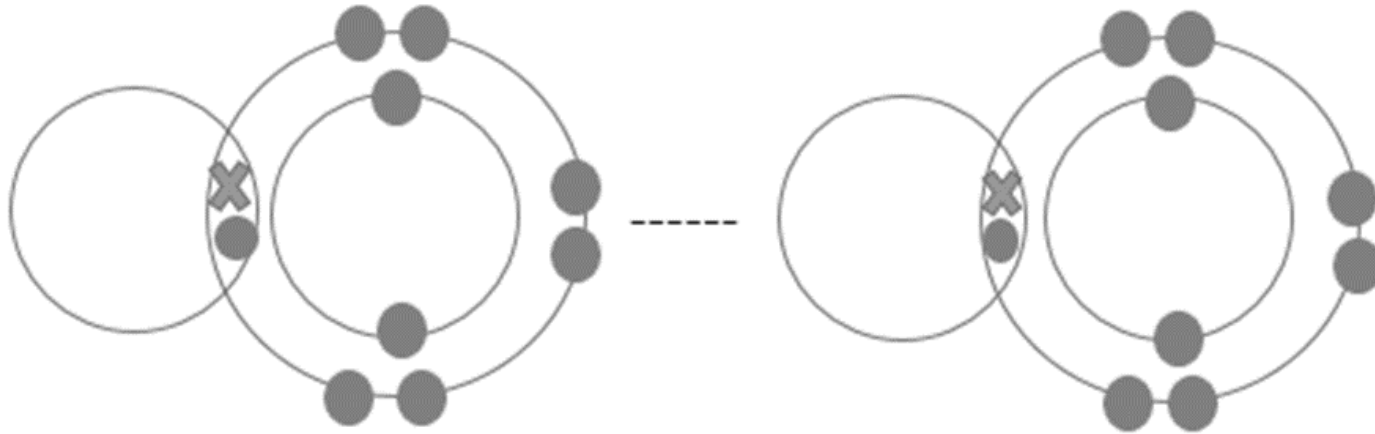
Metallic bond – metal atoms lose **outer shell** electrons and become **positive ions** in rows. **Delocalised electrons** between the rows.

Ion
Ionic bond
Lattice
Covalent bond
Molecule
Intermolecular force
Metallic bond
Electrostatic attraction
Delocalised electron

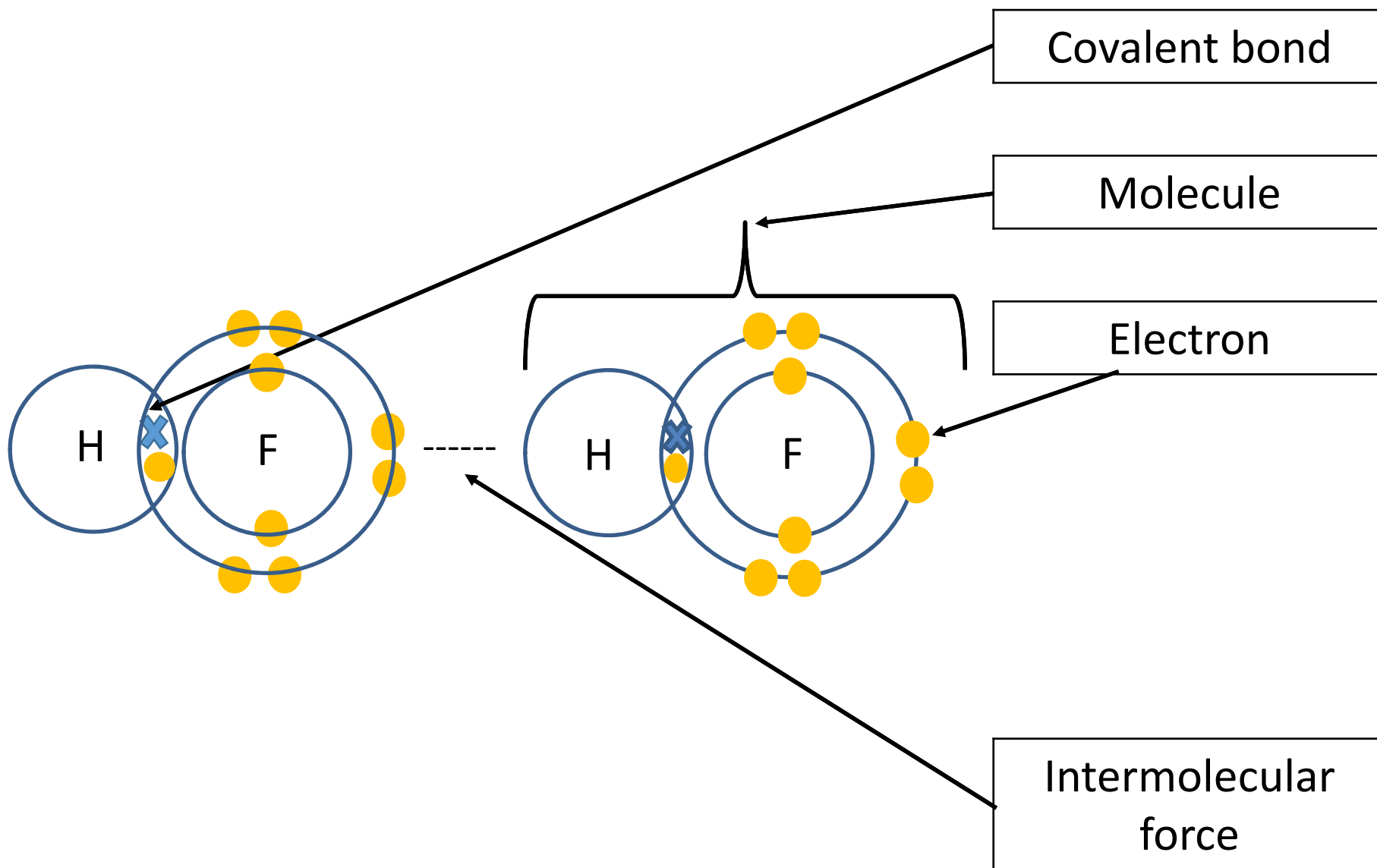
Regular, 3D pattern of ions held together by electrostatic attraction
Shared pair of electrons that holds two atoms together
Force of attraction between positively charged metal ions and delocalised electrons in a metal
Force between oppositely charged ions
A charged particle
Weak force between different molecules
Electron that is free to move throughout a structure
Particle made up of two or more atoms chemically bonded together
Strong force of electrostatic attraction between oppositely charged ions

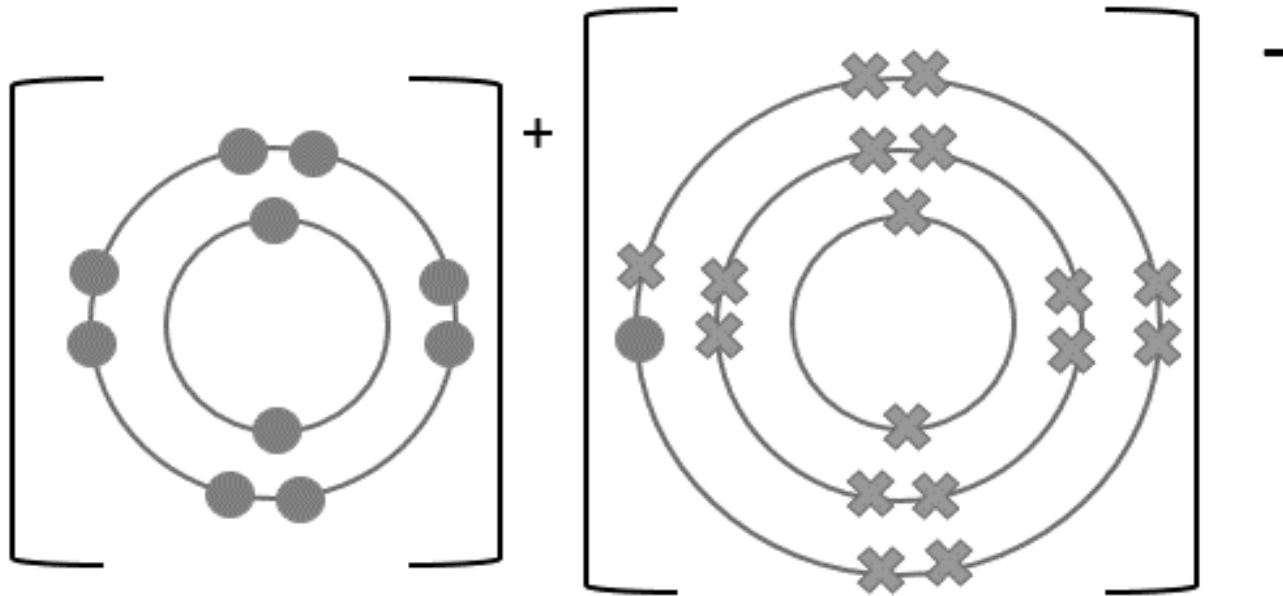
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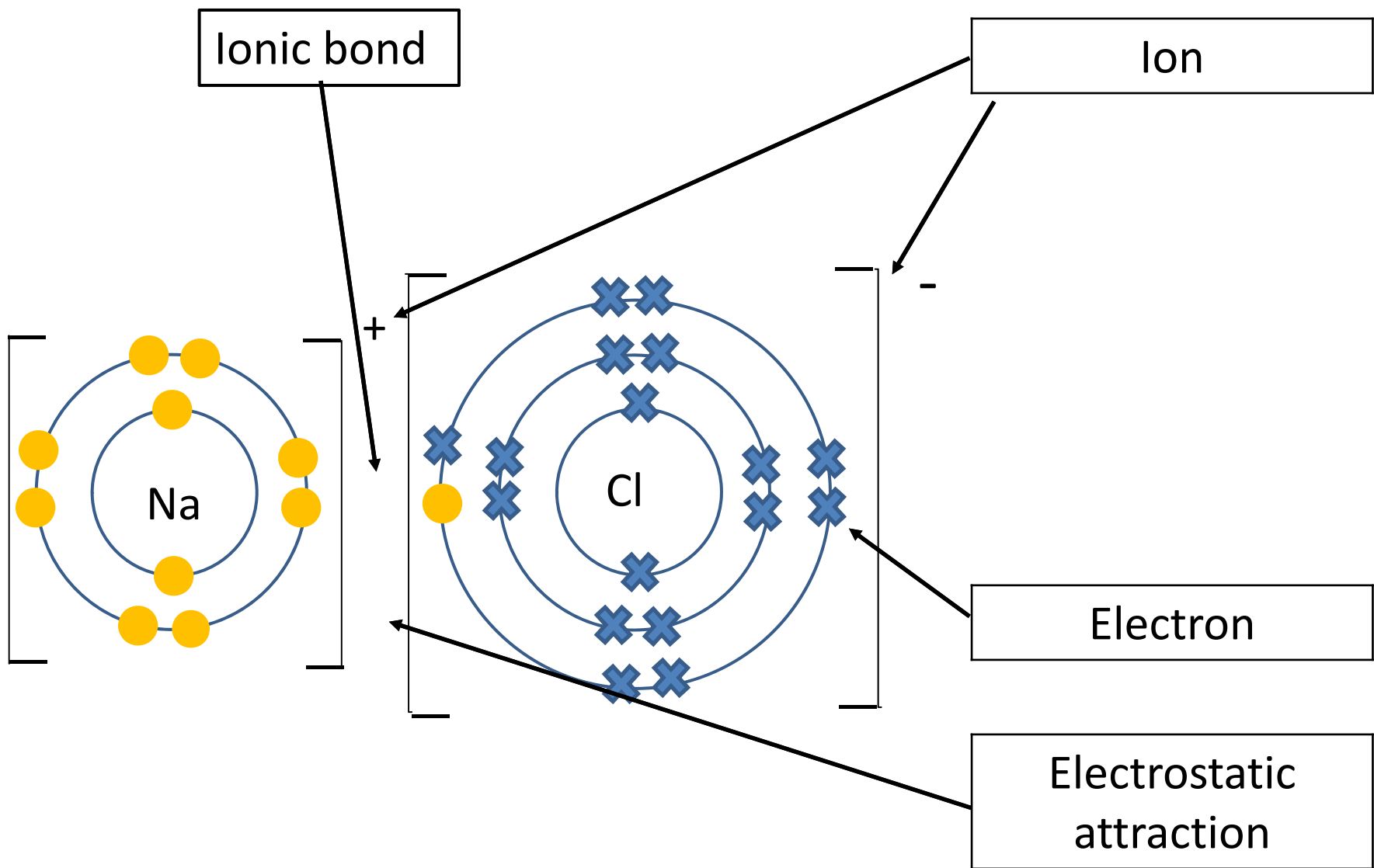
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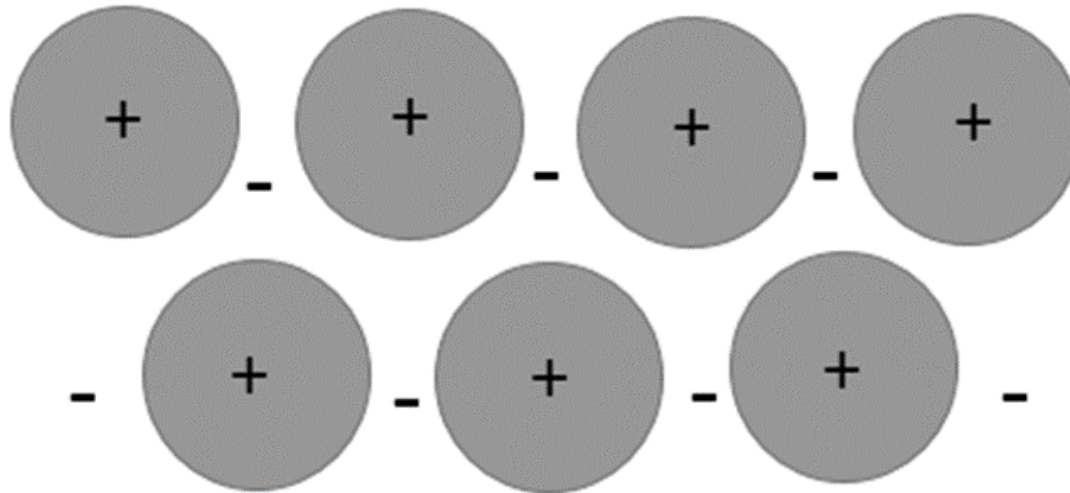


Label IT - Answers









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