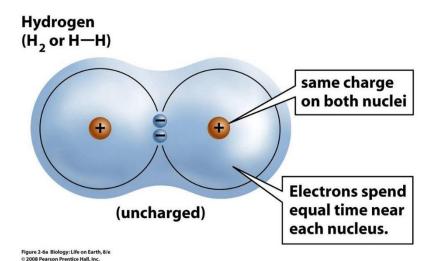
Metallic Bonding Properties from Notes ale.co.uk Properties from Notes ale.co.uk

- **High melting points** because of the electrostatic forces between the negative electrons and positive ions which need a lot of energy to be broken.
- **Conduct electricity** because of the sea of delocalised electrons which can move through the structure to carry the charge.
- Malleable and ductile because they are layered and the layers can slide over each other.

Electronegativity and Bond Polarity

Non-polar bolding: 21

Nonpolar covalent bonding



Intermolecular Forces uk
Intermolecular forces that exist between molecules. They apply to all covarent bonds. They affect melting and boiling points.

Three types of intermolecular forces:

- Temporary dipole-dipole
- Permanent dipole-dipole
- Hydrogen bonds