

Intermolecular Forces

Chemistry

The three types, their relative strength, and what they explain.

From weakest to strongest.

Force	Occurs in	Strength
London dispersion	All molecules	Weakest; grows with size
Dipole-dipole	Polar molecules	Intermediate
Hydrogen bonding	H bonded to N, O or F	Strongest of the three

Water boils at 100°C while H₂S boils at -60°C, despite being heavier. Hydrogen bonding is the entire difference.