



THE TRUTH ABOUT STRUCTURE & BONDING 2

- 1 B3
- 2 C8
- 3 F11
- 4 G15
- 5 I18
- 6 a CH₄ as CH₄ is molecular, each molecule contains one C atom and four H atoms
Mg as Mg is a metal, the formula is simply the symbol
SiO₂ as SiO₂ is giant covalent, the ratio of Si atoms to O atoms in the lattice is 1:2
CaBr₂ as CaBr₂ is ionic, the ratio of Ca²⁺ ions to Br⁻ ions is 1:2
Ar as Ar is monatomic, the formula is simply the symbol
- b simple molecular: substance made of many identical particles called molecules; weak forces between the molecules; atoms within molecules joined by strong covalent bonds
giant covalent: substance made of lattice (network) of atoms joined by strong covalent bonds