

Hwa Chong Institution

Chemical bonding (Worksheet 4)

Section A:

Answer 'True' or 'False' to the following statements.

Question	T/F
Metallic bonding is a kind of ionic bonding because ionic bonds exist between the cations and the delocalized electrons.	F
Metallic bonding involves electrons being shared; hence it is a kind of covalent bonding.	F
Metals are malleable because the atoms can slide over each other easily when a force is applied.	T
Metals are malleable because the forces of attraction between metal atoms are weak.	F

In a metal, the electrons are able to move freely and randomly among the ca²⁺

the following molecules: (1) H_2 , (2) C_2 , (3) N_2 , (4) F_2 , (5) Cl_2

4. Write the Lewis structures of the following molecules:

