

## CHAPTER 2

CHAPTER	KEY TERMS	HOME WORK
2.1	Ionic Compounds, Molecular Compounds, Electrical Conductivity, Electrolytes	Pg 68 Q # 1,2
2.2	Ionic Bonds, Covalent Bonds, Coordinate covalent bonds, metallic bonds, crystal lattice, formula unit, octet rule, stability and energy, lattice energy, Lewis symbols, Lewis dot diagrams	Pg 71 # 1 –5 Predict the conductivity of ionic solids Pg 73 # 8- 14, 10,11 & 13 work out 3 examples each
2.3	Diatomic molecules, Poly atomic molecules, Covalent bonds and conditions for formation of covalent bonds, Lewis structures of covalent bonds, Lone Pair, Bond Pair, Octet Rule, bonding capacity, number of bonds and stability, poly atomic ions	Pg 77 # 1 Pg 79 # 2 – 4 Pg 81 # 15 - 15
2.4	Pure Covalent bonds, Polar Covalent bonds, intra molecular and inter molecular forces, hydrogen bonds, Dipole-Dipole forces, Vander Waal's force, London's Dispersion forces	Pg 84 # 1 – 4 Pg 88 # 7 – 13
2.5	IUPAC, Common names, binary compounds, valence, multivalent, Polyatomic ions, tertiary compounds, oxyanions, hydrates, naming of acids, bases	Pg 93 # 1-11 Pg 96 # 13 – 20 Pg 101 # 24 – 27 Chapter Review Page103 1 – 22