

GRADE 9 CHEMISTRY
SYLLABUS CODE: 5070
SECOND TERM JANUARY 2014 – JUNE 2014

Topics:

ATOMS COMBINING

- 4.1 Compounds, mixtures and chemical change
- 4.2 Why do atoms form bonds?
- 4.3 The ionic bond
- 4.4 More about ionic compounds
- 4.5 More about ions
- 4.6 The covalent bond
- 4.7 Covalent compounds
- 4.8 Molecular substances: structure and properties
- 4.9 Giant covalent structures
- 4.10 The bonding in metals

REACTING MASSES AND CHEMICAL EQUATIONS

- 5.1 The names and formulae of compounds
- 5.2 Equations for chemical reactions
- 5.3 The masses of atoms, molecules and ions
- 5.4 Some calculations about masses and %

USING MOLES

- 6.1 The mole
- 6.2 Calculations from equations, using the mole
- 6.3 Finding the empirical formula
- 6.4 From empirical to final(molecular)formula
- 6.5 Reactions involving gases
- 6.6 The concentration of a solution
- 6.7 Finding % yield and % purity using moles

THE PERIODIC TABLE

- 12.1 An overview of the Periodic table
- 12.2 Group I: the alkali metals
- 12.3 Group VII: the halogens
- 12.4 Group O: the noble gases
- 12.5 The transition elements
- 12.6 Across the Periodic table

Please note Topics of first term are included.

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