

Unit 5 – Nomenclature & Formula Stoichiometry

C4.1a Calculate the percent by weight of each element in a compound based on the compound formula.

C4.1a.a I can write the name for an ionic compound when given the formula.

C4.1a.b I can write the name for a covalent compound when given the formula.

C4.1b Calculate the empirical formula of a compound based on the percent by weight of each element in the compound.

C4.1c Use the empirical formula and molecular weight of a compound to determine the molecular formula.

C4.2A Name simple binary compounds using their formulae.

C4.2B Given the name, write the formula of simple binary compounds.

C4.2B.a I can write the name for an ionic compound when given the formula.

C4.2B.b I can write the name for a covalent compound when given the formula.

C4.2c Given a formula, name the compound.

C4.2C.a I can write the formula for an ionic compound when given the name.

C4.2C.b I can write the formula for a covalent compound when given the name.

C4.2d Given the name, write the formula of ionic and molecular compounds.

C4.2e Given the formula for a simple hydrocarbon, draw and name the isomers.

C4.6a Calculate the number of moles of any compound or element given the mass of the substance.

C4.6b Calculate the number of particles of any compound or element given the mass of the substance.