

Access to H.E. National Programme Unit



Unit Title:	Introduction to Chemistry		
Graded Unit Code:	GA33CHE17	Ungraded Unit Code:	UA33CHE17
Pathway(s):	Health		
Module(s):	Science for Health		
Level:	3	Credit Value:	3
Valid from:	1 st August 2011	Valid to:	31 st July 2024

The following QAA grade descriptors must be applied if you are delivering the graded version of this unit:

1	Understanding of the subject
3	Application of skills
7	Quality

LEARNING OUTCOMES	ASSESSMENT CRITERIA
The learner will:	The learner can:
1. Understand atomic structure and the nature of elements	1.1 Describe the properties of electrons, protons and neutrons using relative charge and mass
	1.2 Define atomic number and mass number
	1.3 Describe the structure of atoms in terms of atomic particles
	1.4 Relate the position of elements (atomic number 1 to 24) in the periodic table to their atomic structure
	1.5 Explain the nature and properties of unstable isotopes
2. Understand bonding and the structure of molecules	2.1 Describe covalent bonding and ionic bonding
	2.2 Write the formulae of simple covalent and ionic compounds

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LEARNING OUTCOMES	ASSESSMENT CRITERIA
The learner will:	The learner can:
	2.3 Explain the solubility of ionic compounds in water
	2.4 Explain strong acids and bases in terms of ionisation in water
3. Understand the nature and variety of biological and other organic compounds.	3.1 Describe the nature and position of bonds formed between carbon and other non-metal elements
	3.2 Name and write the formulae of simple alkanes and alkenes, alcohols and organic acids (up to six carbon atoms)
	3.3 Use examples to explain isomerism
	3.4 Explain weak (organic) acids in terms of their ionisation in water