Open Awards Qualification Unit

This unit forms part of a regulated qualification.

1 Unit Details

Unit Title:	Elements, Compounds and Mixtures
Unit Reference Number:	L/650/3413
Level:	Entry Level Three
Credit Value:	3
Minimum GLH:	30

2 Learning Outcomes and Criteria

Learning Outcome (The Learner will):	Assessment Criterion (The Learner can):
1. Know about atoms and elements	1.1 Give examples of atoms
	1.2 State how atoms form substances
	1.3 Identify a range of different elements
	1.4 Identify elements on a periodic table
2. Know the structure and function of the periodic table	2.1 State what the periodic table is used for
	2.2 Explain how elements are arranged on the periodic table
3. Know about the chemical properties of atoms and elements	3.1 Identify elements in the same group of the period table
	3.2 Outline the chemical properties of elements in the same group of the periodic table
4. Know how elements react to form compounds	4.1 State how atoms in elements react to form compounds
	4.2 State how to recognise the elements in a compound from the name of the compound

Comment [GU]: Unit checked and agreed with

Comment [RP]: Title - Should it be "Atoms, Elements, Compounds and Mixtures?" Is there cross over from, or does it replace Atoms & Elements" Unit ?

5.	Know that chemical reactions can be represented by word equations	5.1	Write word equations for: • reactions of metals and non-metals • reactions of non-metals to produce oxides • other chemical reactions
6.	Know how the structure of compounds affects their properties	6.1	Give the names for the three states of matter
		6.2	State how matter can change states
		6.3	State how heating and freezing affect the state of matter
		6.4	Demonstrate the three states of matter in diagram format
		6.5	State how the structure of a compound impacts on the compound's properties
7.	Know about mixtures	7.1	Give an explanation of a scientific mixture
		7.2	Give examples of methods to separate scientific mixtures
		7.3	Outline how paper chromatography works
		7.4	State the role of paper chromatography can be used to: • Separate mixtures • Give information to identify substances