Open Awards Qualification Unit

This unit forms part of a regulated qualification.

1 Unit Details

Unit Title:	Chemicals and Chemical Reactions
Unit Reference Number:	K/650/3412
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 acids	1.1 State how acids react with metals
	1.2 State the end products from reactions involving: • Hydrochloric acid • Sulphuric acid
	1.3 Investigate hydrogen release from acid reactions with a range of metals
	1.4 Investigate how acids react with a range of different carbonates
	1.5 Complete word equations for chemical reactions involving named reactants
2. Know about alkalis	2.1 State how alkalis react with other substances
	2.2 Give examples of end products obtained when using alkalis to neutralising acids
	2.3 Complete word equations for alkali reactions using named reactants
3. Know about the process of salt crystallisation	3.1 Describe how salt solutions can be used to produce crystals

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4.	Be able to demonstrate acid and alkali reactions under controlled conditions	4.1	Demonstrate acid reactions with metals in safe and controlled conditions
		4.2	Demonstrate alkali reactions in safe and controlled conditions
		4.3	Record results from reactions of acids and alkalis with other substances
5.	Be able to test the acid and alkali levels (pH) of substances and compounds	5.1	Describe the litmus paper test
		5.2	State how the litmus paper test is used
		5.3	Explain what pH level refers to
		5.4	Test pH levels of given chemicals

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