## Assessment and grading criteria

In order to pass this unit, the evidence that the learner presents for assessment needs to demonstrate that they can meet all the learning outcomes for the unit. The assessment criteria for a pass grade describe the level of achievement required to pass this unit.

Assessment and grading criteria					
To achieve a pass grade the evidence must show that the learner is able to:		To achieve a merit grade the evidence must show that, in addition to the pass criteria, the learner is able to:		To achieve a distinction grade the evidence must show that, in addition to the pass and merit criteria, the learner is able to:	
P1	outline the key features of the periodic table, atomic structure and chemical bonding [IE1, SM2,3]	M1	relate the key features of the periodic table to the conclusions drawn from the practical activities	D1	explain how standard solutions and titrations are prepared in industry
P2	demonstrate practically the ability to prepare chemical solutions and test their accuracy [IE2, EP3]				uk
Р3	record accurately observations of different types of tissues from a light microscope [IE6, SM2,3]	M2	explain how the relative presence of different cell components infantine the function online uses	1 <sup>1</sup> 16	compare different tissues with similar functions in terms of their structure and functions
Р4	interpret electron micrograd St fferent types of thoues [IE6]	P	age 3 01		
Р5	describe the key structures and functions of a eukaryotic and prokaryotic cell [IE1; SM2,3]				
P6	describe different types of energy transfer [IE1]				
P7	carry out a practical investigation into the calorific value of different fuels [IE2; SM2,3; EP3]	M3	carry out a practical demonstration of a range of energy interconversions with appropriate explanations of the systems investigated	D3	evaluate the efficiencies of energy conversion systems
P8	outline the methods by which scientific information is communicated [IE1]	M4	produce a detailed, correctly structured report which demonstrates a high level of presentation.	D4	compare and contrast the report with a similar report from a professional journal.