Access to H.E.
National Programme Unit

Unit Title:	Animal Cell Function and Transport		
Graded Unit Code:	GA33BIO28	Ungraded Unit Code:	UA33BIO28
Unit Groups:	Biology		
Level:	3	Credit Value:	3
Valid from:	01/07/2021	Valid to:	31/07/2026

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

1	**Understanding of the subject**
2	**Application of knowledge**
5	**Communication and presentation**
7	**Quality** (automatically attached for all graded units)

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LEARNING OUTCOMES	ASSESSMENT CRITERIA
The learner will:	**The learner can:**
1. Understand the structure and functions of the animal cell	1.1 Identify the main components of the animal cell as see under the electron microscope. 1.2 Describe the function of a range of cell organelles as observed using the electron microscope 1.3 Interpret data relating surface area, volume ratio and size and explain the need for cell specialisation in multicellular organisms
2. Understand how the function of the plasma membrane is related to its structure	2.1 Relate the arrangement of phospholipid and protein in the plasma membrane (unit membrane) to properties of these molecules 2.2 Compare ways in which molecules, liquids and solids cross the plasma membrane and relate these to the structure of the membrane and activity in the cell 2.3 Interpret data relating to transport of molecules across cell membrane
3. Understand the importance of cell division	3.1 Compare and contrast the stages and products of mitosis and meiosis 3.2 Explain how each process is used to create new cells in animals, and where each process might be used.