

Access to H.E. National Programme Unit



Unit Title:	Organisation of the Body		
Graded Unit Code:	GA33BIO13	Ungraded Unit Code:	UA33BIO13
Pathway(s):	Health Science and Engineering		
Module(s):	Human Biology Biology		
Level:	3	Credit Value:	3
Valid from:	31 st July 2021	Valid to:	31 st July 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

LEARNING OUTCOMES	ASSESSMENT CRITERIA
The learner will:	The learner can:
1. Understand the levels of organisation in the human body	1.1 Identify the levels of organisation in the human body and place them in order of size from cell to organism
	1.2 Identify the organ systems of the body and explain the division of labour (tasks) between the different organ systems
	1.3 For three human organ systems identify the organs making up each system and outline their main functions

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2. Understand the need for cell specialisation and relate this to the functions of different tissues	2.1	Interpret data relating surface area, volume ratio and size and explain the need for cell specialisation in multicellular organisms
	2.2	Explain the specialised features of the following human cells: ovum, sperm, motor neuron and epithelial cell from the ileum
	2.3	Identify the four basic types of tissue in the body and describe their main features
	2.4	Give two examples of each of the four tissue types outlining their specific functions and their location in the body
3. Understand the features of stem cells and the principles of tissue engineering	3.1	Describe the key features of stem cells compared to specialised cells
	3.2	Outline the principles of tissue engineering including the sources and culture of stem cells and provision of an artificial scaffold