

Access to H.E. National Programme Unit



Unit Title:	Exchange and Transport of Gases		
Graded Unit Code:	GA33BIO15	Ungraded Unit Code:	UA33BIO15
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 structure and function of the respiratory system	1.1 Identify structures of the human respiratory system and explain the adaptations for efficient gas exchange
	1.2 Explain the mechanism of breathing, including tidal breathing at rest and forced exhalation during exercise
	1.3 Describe the regulation of breathing at rest and in response to exercise
2. Understand the mechanism and control of gaseous exchange	2.1 Explain the adaptations of red blood cells in relation to their role in transporting oxygen

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	2.2	Explain how oxygen and carbon dioxide are exchanged in both the lungs and tissues of the body
	2.3	Explain how the rate of breathing is controlled by the nervous system
3. Recognise disorders of the respiratory systems	3.1	Discuss causes, symptoms and treatments of two disorders of the respiratory system