

Y8 BIOLOGY	8C Breathing and Respiration Learning Checklist	I can do this already	Covered in Class	Strength or weakness?	Revised it?
8C1 Aerobic Respiration	Developing: Recall what happens in aerobic respiration.				
	Securing: Model aerobic respiration using a word equation.				
	Exceeding: Compare burning (combustion) and aerobic respiration.				
8B2 Gas Exchange System	Developing: Recall the functions of the organs in the gas exchange system.				
	Explain how the structure of the lungs allows efficient gas exchange.				
	Securing: Describe how muscles cause breathing, and how this causes pressure differences that allow ventilation.				
	Exceeding: Explain how the lungs are adapted for efficient gas exchange.				
	Securing: Explain how specialised cells keep the lungs clean.				
8B3 Means and Ranges	Developing: Calculate ranges and explain their use.				
	Securing: Calculate means and explain their use.				
8B4 Getting Oxygen	Developing: Describe ways that oxygen supply to tissues can be reduced, and the effect of this.				
	Securing: Describe the transfer of substances between blood and tissues.				
	Securing: Explain the changes in pulse and breathing rate during exercise.				
8B5 Lung Disease	Developing: Recall harmful substances in cigarettes				
	Securing: Describe how tar and carbon monoxide affect the body				
	Exceeding: Explain how other conditions affect breathing and respiration.				
8B6 Comparing Gas Exchange	Developing: Recall how to detect aerobic respiration.				
	Securing: Describe how gas exchange occurs in different organisms including plants.				
	Exceeding: Compare the human gaseous exchange system with those of other animals.				
8B7 Comparing Gas Exchange	Developing: Recall what happens in anaerobic respiration in humans.				
	Securing: Explain when aerobic respiration and anaerobic respiration occur.				
	Securing: Describe how lactic acid is removed from tissues.				
	Exceeding: Explain the cause of excess post-exercise oxygen consumption (EPOC).				

For more help:

Read your 8B Summary Sheets for information on key points from the lesson.

Email your class teacher: (firstinitial)(lastname)@ndhs.org.uk *E.G. sfrise@ndhs.org.uk*

Look up your topic up on BBC bitesize by typing 'BBC Bitesize +keyword' into google.

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