

Name _____ Class _____ Date _____

Draw a ring around a number of stars for each statement. If you are very confident about a statement, draw your ring around all the stars. If you do not know anything about a statement do not draw a ring.

Topic	At the end of the unit:	KS3 Revision guide	
8Ca			
	Recall what happens in aerobic respiration.	p4	* * * * *
	Model aerobic respiration using a word equation.	p4	* * * * *
	Describe where respiration takes place within the cell	p4	* * * * *
	Compare burning (combustion) and aerobic respiration.	p4 & 49	* * * * *
8Cb			
	Describe the functions of the organs in the gas exchange system.	p12	* * * * *
	Describe how muscles cause breathing, and how this causes pressure differences that allow ventilation.	p13	* * * * *
	Explain how the lungs are adapted for efficient gas exchange.	p12	* * * * *
	Explain how specialised cells keep the lungs clean.	p14	* * * * *
8C Working Scientifically			
	Calculate ranges and explain their use.		* * * * *
	Calculate means and explain their use.		* * * * *
	Identify anomalous results in data.		
8Cc			
	Describe the transfer of substances between blood and tissues.	p12	* * * * *
	Describe and explain the effects of smoking tobacco.	p14	* * * * *
	Describe ways that oxygen supply to tissues can be reduced, and the effect of this.	p14	* * * * *
	Explain the changes in pulse and breathing rate during exercise.	p14	* * * * *
8Cd			
	Recall how to detect aerobic respiration.		* * * * *
	Describe how gas exchange occurs in different organisms including plants.	p23	* * * * *
	Compare the human gaseous exchange system with those of other animals.		* * * * *
8Ce			
	Recall what happens in anaerobic respiration in humans.	p4	* * * * *
	Explain when aerobic respiration and anaerobic respiration occur.	p4	* * * * *
	Compare aerobic respiration and anaerobic respiration (including word equations).	p4	* * * * *
	Explain the cause of excess post-exercise oxygen consumption (EPOC).	p4	* * * * *