

Name ..... Class ..... Date .....

Lesson	Aiming for 4		Aiming for 6		Aiming for 8	
B9.1 Aerobic respiration	I can state the word equation for aerobic respiration.	<input type="checkbox"/>	I can write the balanced symbol equation for respiration.	<input type="checkbox"/>	I can apply understanding of respiration in new contexts.	<input type="checkbox"/>
	I can list ways in which living organisms use energy.	<input type="checkbox"/>	I can describe respiration as an exothermic reaction.	<input type="checkbox"/>	I can explain why respiration is an exothermic reaction.	<input type="checkbox"/>
	I can identify a control.	<input type="checkbox"/>	I can plan an investigation to include a control.	<input type="checkbox"/>	I can explain why a control is necessary in some scientific investigations.	<input type="checkbox"/>
B9.2 The response to exercise	I can describe how heart rate, breathing rate, and breath volume change with exercise.	<input type="checkbox"/>	I can explain why heart rate, breathing rate, and breath volume change with exercise.	<input type="checkbox"/>	I can explain why stores of glycogen change with exercise.	<input type="checkbox"/>
	I can draw a suitable chart/graph to display data with some support.	<input type="checkbox"/>	I can choose the best way to display data and calculate percentage changes.	<input type="checkbox"/>	I can justify the choice of chart/graph used to display data.	<input type="checkbox"/>
B9.3 Anaerobic respiration	I can state the word equation for anaerobic respiration in animals, plants, and microorganisms.	<input type="checkbox"/>	I can write the balanced symbol equation for anaerobic respiration in plants and microorganisms.	<input type="checkbox"/>	I can compare and contrast anaerobic respiration in animals, plants, and microorganisms.	<input type="checkbox"/>
	I can describe the reason why cells respire anaerobically.	<input type="checkbox"/>	I can compare and contrast aerobic and anaerobic respiration.	<input type="checkbox"/>	I can explain in detail why heart and breathing rate continue to be high for a period of time after exercise.	<input type="checkbox"/>
	I can give some uses of fermentation.	<input type="checkbox"/>	I can explain why muscles get tired during exercise.	<input type="checkbox"/>	I can write a prediction based on scientific knowledge.	<input type="checkbox"/>

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B9.4 Metabolism and the liver	I can define metabolism as the sum of all reactions on a cell or the body.	<input type="checkbox"/>	I can describe the role of the liver in repaying the oxygen debt.	<input type="checkbox"/>	I can explain the link between protein consumption and concentration of urea in urine.	<input type="checkbox"/>
	I can list some metabolic reactions.	<input type="checkbox"/>	I can discuss whether it is possible to increase metabolism.	<input type="checkbox"/>	I can evaluate information to assess credibility.	<input type="checkbox"/>