











CB8 Exchange and Transport in Animals





CB8a Efficient transport and exchange

Step	Learning outcome	Had a look	Nearly there	Nailed it!
 5 th	Recall the names of substances that need to be transported into and out of the body.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
 5 th	Describe the functions of the substances that are transported into the body.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
 6 th	Describe the adaptations of the lungs for gas exchange.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
 8 th	Calculate surface area : volume ratios.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
 9 th	Explain the importance of surface area : volume ratios in transport systems.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>






CB8b The circulatory system

Step	Learning outcome	Had a look	Nearly there	Nailed it!
 4 th	Recall the components and function of the circulatory system.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
 5 th	Recall the functions of the different types of blood vessels.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
 6 th	Describe the functions of the different types of blood cells (erythrocytes, phagocytes, lymphocytes).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
 6 th	Describe the functions of blood platelets and plasma.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
 7 th	Describe how the different blood vessels are adapted to their functions.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

CB8c The heart

Step	Learning outcome	Had a look	Nearly there	Nailed it!
 4 th	Recall the parts of the heart.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
 6 th	Describe the flow of blood through the heart.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
 7 th	Explain how the heart is adapted for its function (valves, differing ventricle muscle thicknesses).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
 7 th	Recall and use the equation that relates cardiac output, stroke volume and heart rate.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

CB8d Cellular respiration

Step	Learning outcome	Had a look	Nearly there	Nailed it!
 6 th	Explain why organisms need to respire.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
 6 th	Recall the word equation for aerobic respiration.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
 6 th	Recall the word equation for anaerobic respiration in humans.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
 8 th	Explain why respiration is an exothermic process.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
 8 th	Compare aerobic and anaerobic respiration.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>