CB8 Exchange and Transport in Animals Checklist

RAG rate your confidence levels at the start and end of each topic:

R= Not Confident **A= Fairly confident (need more practice/ to review)** **G= Very confident**

CB8a Efficient transport and exchange

Step	Learning outcome	Start of Topic	End of topic
	Recall the names of substances that need to be transported into and out of the body.		
	Describe the functions of the substances that are transported into the body.		
	Describe the adaptations of the lungs for gas exchange.		
	Calculate surface area : volume ratios.		
	Explain the importance of surface area : volume ratios in transport systems.		

CB8b The circulatory system

Step	Learning outcome	Start of Topic	End of topic
	Recall the components and function of the circulatory system.		
	Recall the functions of the different types of blood vessels.		
	Describe the functions of the different types of blood cells (erythrocytes, phagocytes, lymphocytes).		
	Describe the functions of blood platelets and plasma.		
	Describe how the different blood vessels are adapted to their functions.		

CB8c The heart

Step	Learning outcome	Start of Topic	End of topic
	Recall the parts of the heart.		
	Describe the flow of blood through the heart.		
	Explain how the heart is adapted for its function (valves, differing ventricle muscle thicknesses).		
	Recall and use the equation that relates cardiac output, stroke volume and heart rate.		

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CB8d Cellular respiration

Step	Learning outcome	Start of Topic	End of topic
	Explain why organisms need to respire.		
	Recall the word equation for aerobic respiration.		
	Recall the word equation for anaerobic respiration in humans.		
	Explain why respiration is an exothermic process.		
	Compare aerobic and anaerobic respiration.		

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