



Attainment Band :	B3 Moving and changing materials (AQA)
	Knowledge and Understanding
Yellow Plus/ Yellow	<p>Predict water movement during osmosis.</p> <p>Explain the words flaccid, plasmolysed and turgid.</p> <p>Explain how pH and temperature affect enzyme activity.</p> <p>Use collision theory to explain enzyme action.</p> <p>Explain the features of exchange surfaces.</p> <p>Explain how the circulatory system is adapted to its function.</p> <p>Explain how the small intestine is adapted for efficient food absorption.</p>
Blue	<p>Explain osmosis as the movement of water through a partially permeable membrane.</p> <p>Describe how pH and temperature affect enzymes.</p> <p>Describe the lock-and-key theory.</p> <p>Describe the features of a range of exchange surfaces in plants and animals.</p> <p>Describe how the circulatory system transports substances.</p> <p>Describe the adaptations of the intestine as an exchange surface.</p>
Green	<p>Recall that osmosis describes water movement in and out of cells.</p> <p>Know that enzymes catalyse reactions in cells.</p> <p>Understand that substrate molecules fit into active sites of enzymes.</p> <p>Describe the effect of SA:V on the diffusion of substances.</p> <p>Describe the functions of different parts of the circulatory system.</p> <p>Know that digested food is transported from the small intestine to body cells.</p>
White	Some elements of the above have been achieved