



Attainment Band :	B2 Photosynthesis (AQA)
	Knowledge and Understanding
Yellow Plus/ Yellow	<p>Recall and use the balanced symbol equation for photosynthesis.</p> <p>Explain that chloroplasts absorb energy to drive chemical reactions.</p> <p>Describe the difference in gas exchange in plants between day and night.</p> <p>Explain the effects of limiting factors on photosynthesis.</p> <p>Explain how the leaf's structure is adapted for photosynthesis.</p> <p>Explain how substances pass in and out of cells.</p> <p>Explain adaptations of xylem and phloem.</p> <p>Explain how different factors affect transpiration.</p> <p>Explain how concentration gradients affect processes.</p>
Blue	<p>Recall and use the symbol equation for photosynthesis.</p> <p>Describe the use of light and chloroplasts in photosynthesis.</p> <p>Explain why photosynthesis is an endothermic reaction.</p> <p>Explain why plants carry out respiration.</p> <p>Describe how the rate of photosynthesis can be increased.</p> <p>Describe how leaves are adapted for efficient photosynthesis.</p> <p>Explain diffusion using the idea of particles.</p> <p>Describe adaptations in xylem and phloem.</p> <p>Describe how different factors affect transpiration.</p> <p>Describe how proteins and carbohydrates are transported in plants.</p>
Green	<p>Use the word equation to describe photosynthesis.</p> <p>Know that chloroplasts absorb light and convert it to chemical energy.</p> <p>Understand that photosynthesis is an endothermic reaction.</p> <p>Understand that plants respire and photosynthesise.</p> <p>Name the factors that affect photosynthesis.</p> <p>Identify the parts of a leaf and their function.</p> <p>Know the definition of diffusion.</p> <p>Describe how water travels in plants.</p> <p>Describe experiments on the rate of transpiration.</p> <p>Recall that the movement of sugars is called translocation.</p>
White	Some elements of the above have been achieved