

Question	Marking Guidance	Mark	Comments
01.1	1. (Less/no) ATP; 2. (Less/no) reduced NADP;	2	2. Accept NADPH, NADPH + H, NADPH ₂ NADPH + H ⁺ 2. Reject reduced NAD, NADH etc,
01.2	1. (Less/no) carbon dioxide (reacts) with RuBP; 2. (Less/no) GP;	2	
01.3	1. Stroma (of/in chloroplast);	1	Reject: stoma Reject stroma of cytoplasm/chlorophyll Reject stroma of mitochondrion Ignore references to Calvin cycle or the light-independent reaction
01.4	1. Rubisco activity increases with temperature OR Rubisco optimum temperature is above (rubisco activase); 2. (Rubisco) activase activity decreases at high temperatures (allow any temperature above 25 °C.) OR (Rubisco) activase optimum (allow in range) 25 to 30 °C.; 3. (Results/graphs suggest) activase cannot/does not affect activity of rubisco; 4. (Results are) only for cotton; 5. (Results are) for isolated enzymes; 6. No stats test;	4 max	2. Accept denatures at high temperature (allow any temperature above 25 °C) 4. Accept may not be the same in other species/types of plant Ignore: only one study