Question	Marking Guidance	Mark	Comments
08.1	<ol> <li>Oxygen produced in light-dependent reaction;</li> <li>The faster (oxygen) is produced, the faster the light-dependent reaction;</li> </ol>	2	
08.2	35–36 (μmol O <sub>2</sub> mg <sup>-1</sup> );;	2	Correct difference at 500 µmol photons m <sup>-2</sup> s <sup>-1</sup> or incorrect difference but division by 4 shown = 1 mark
08.3	<ol> <li>At all light intensities, chloroplasts from mutant plants:</li> <li>Have faster production of ATP and reduced NADP;</li> <li>(So) have faster/more light-independent reaction;</li> <li>(So) produce more sugars that can be used in respiration;</li> <li>(So) have more energy for growth;</li> <li>Have faster/more synthesis of new organic materials;</li> </ol>	4 max	Accept converse points if clear answer relates to non-mutant plants