

Question	Marking Guidance	Mark	Comments
07.1	☑ NADP, ADP, Pi and water;	1	
07.2	1. <u>Chlorophyll</u> <u>absorbs</u> light OR <u>Light</u> excites/moves electrons in <u>chlorophyll</u> ; 2. Electron/s are lost OR (Chlorophyll) becomes positively charged;	2	1. Ignore photosystems. 2. Ignore site/molecule from where electrons are lost. 2. Accept electrons go to electron transport/carrier chain for 'electrons lost'.
07.3	Ink <u>and</u> (leaf) pigments would mix OR (With ink) origin/line in different position OR (With pencil) origin/line in same position OR (With pencil) origin/line still visible;	1	
07.4	1. Level of solvent below origin/line; 2. Remove/stop before (solvent) reaches top/end;	2	1. Reject water or any named aqueous solution. 1. Accept named organic solvent.
07.5	Accept any answer in range of 0.58 to 0.62;	1	Accept 0.58 or 0.62. Ignore any numbers which follow numbers in range.
07.6	(Absorb) different/more wavelengths (of light) for photosynthesis;	1	Accept wider/larger range of wavelengths. Accept frequency for wavelength. Accept light-dependent reaction /photophosphorylation /photoionisation for photosynthesis.