

- 1 a** (i) A stroma
B starch (grain) / lipid droplet
C thylakoid (membrane) / chlorophyll
D granum
(2) for all correct
(1) for 2 or 3 correct
- (ii) C / thylakoid / granum / D;
- (iii) photolysis / splitting water using light energy;
release of electrons to chlorophyll;
releases hydrogen ions;
oxygen released;
OH source of oxygen;
- b** reduced production (of carbohydrate);
less carbon dioxide fixed;
reference RuBP;
reference Calvin cycle / eq;
less carbon available for reduction to carbohydrate;
reference to enzyme / RuBPCarboxylase;
- c** high light intensity;
reference to change in wavelength;
high temperature;
high humidity;
high carbon dioxide concentration;