

Photosynthesis Checktest

1. Some of the sunlight that strikes a leaf is absorbed. What are the two other fates of sunlight striking a leaf?
2. What colours of light do chlorophyll a and b primarily absorb?
3. State the names of two accessory pigments and the role they play in photosynthesis.
4. State exactly where the following processes take place.
 - (i) The light reaction
 - (ii) The Calvin cycle
5. Describe the following reactions.
 - (i) Photolysis
 - (ii) Photophosphorylation
6. What two substances, passed on from the light reaction, are essential for the Calvin cycle to take place?
7. What is the name of the substance that combines with CO_2 in the Calvin cycle?
8. How many Carbon atoms does one molecule of Glycerate phosphate possess?
9. State two possible fates of the glucose manufactured in the Calvin cycle.