

Ecosystems

4. Photosynthesis

CONCEPT 1

TEST YOURSELF

PHOTOSYNTHESIS

KNOW

- Q1 (a) Name the reactants in photosynthesis
(b) Name the products of photosynthesis
- Q2 Why does photosynthesis not happen at night?
- Q3 What will happen to the amount of carbon dioxide in the air during the night?
- Q4 Why is light not a reactant or a product in the reaction?

APPLY

- Q5 A leaf has been kept in the light for 5 days, what colour will it be when tested with Iodine?
- Q6 The leaf is then kept in the dark for 5 days, now what colour will it be when tested with Iodine?
- Q7 What do think would happen if you tested this leaf for starch?



EXTEND

- Q8 Using your knowledge of the reactants of photosynthesis, explain how you could increase the amount of photosynthesis that a plant does.
- Q9 Why has the rate of photosynthesis stopped increasing in this graph?

