

Section D Self-Test

Question 1

Define photosynthesis

Question 2

What is the chemical compound responsible for photosynthesis and where is this compound found in green plant cells?

Question 3

Which two of the following reactions occur during the light cycle of photosynthesis?

Light is used to form NADP from ADP

Light is used to form ATP from ADP

Light oxidises the electron-carrier molecules

Light reduces the electron-carrier molecules

Question 4

Which two of the following describe reactions that occur during the dark cycle of photosynthesis?

ATP is used to link carbon dioxide to an NADPH

ATP is used to link carbon dioxide to an organic molecule

NADPH oxidises the newly bound carbon atom to the oxidation level of a simple sugar

NADPH reduces the newly bound carbon atom to the oxidation level of a simple sugar

Check Answers