

15. What reactant is used in the Calvin Cycle?

CO_2 (carbon dioxide). + ATP

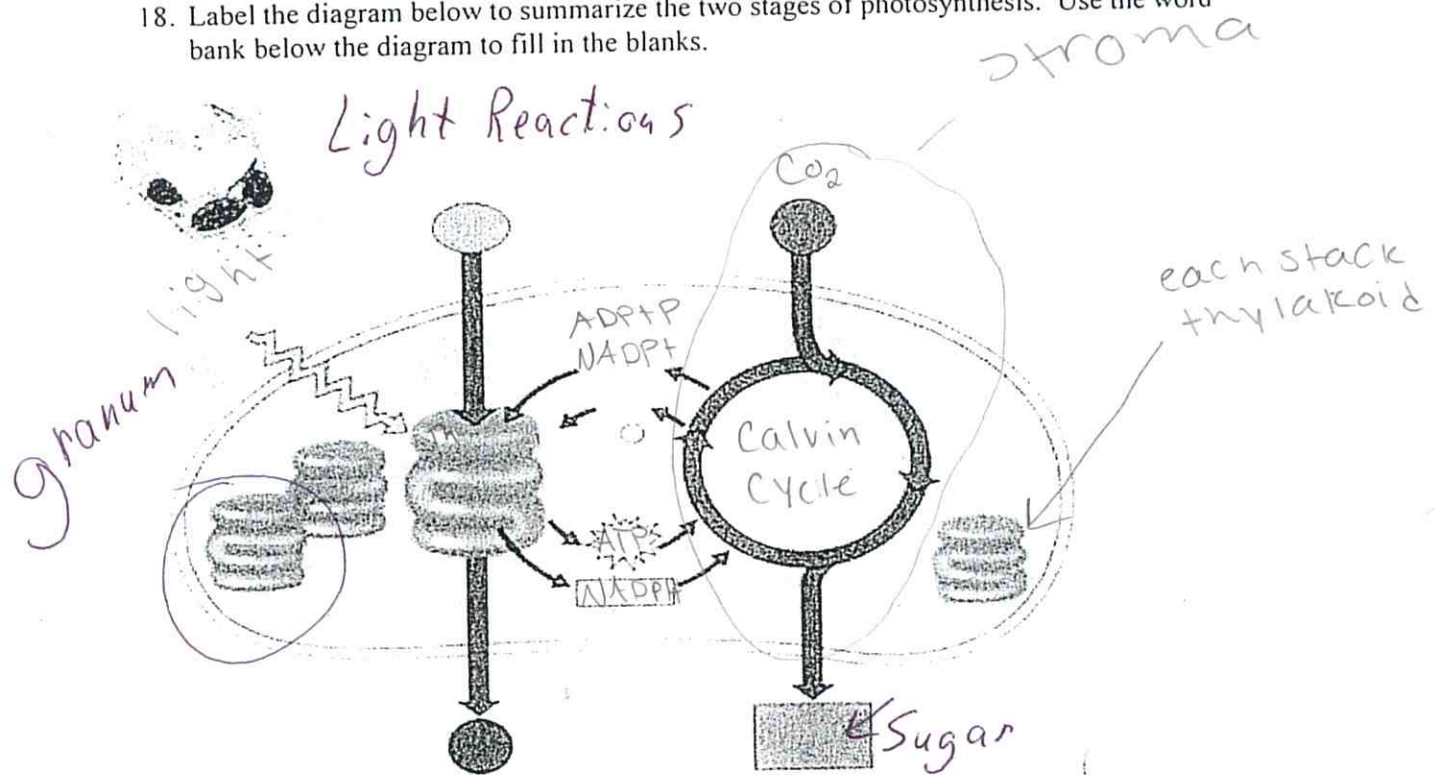
16. What is produced by the Calvin cycle?

Organic compounds (glucose), / sugar)

17. How can the plant cells store the sugar produced in photosynthesis?

Starch

18. Label the diagram below to summarize the two stages of photosynthesis. Use the word bank below the diagram to fill in the blanks.



Thylakoids
Light
ATP

Calvin-cycle
NADPH
ADP + P

CO_2
 O_2
sugar

NADP+
stroma
light reactions

granum
 H_2O

Light Reaction

Calvin Cycle

Reactants = Light

Products = ATP + NADPH

Location = Chlorophyll

Same

Reactants = ATP + CO_2

Products = O_2 + Sugar

Location = Stroma

Take Place
chloroplast
Photosynthesis