

## Vocabulary

- Photosynthesis
- Chloroplast
- Grana
- Thylakoids
- Stroma
- Light-Dependent Reactions
- Light-Independent Reactions (Calvin Cycle)
- NADP+
- Chlorophyll
- ATP
- Cuticle
- Xylem
- Phloem
- Stomata
- Guard Cells

## Cell Processes: Photosynthesis

1. What is photosynthesis? Describe the reactants and products of photosynthesis in words and in a chemical equation.
2. Why is photosynthesis essential to life?
3. What happens to the glucose that plants produce?

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