

Leave it to the Sun Notes

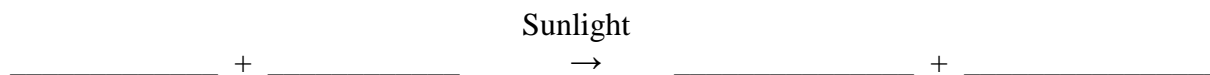
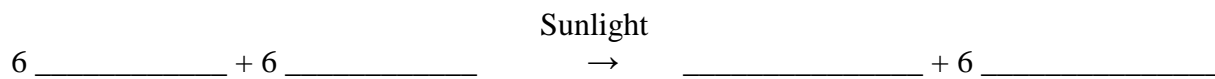
Name: _____

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Key Concepts:

- _____ the process by which green plants and some other organisms use _____ to make foods from carbon dioxide and water.
- The ingredients or _____ for photosynthesis are _____, _____, and sunlight.
- _____ happens within a plant cell's _____ and _____.
- In the _____ there is a _____ known as _____. _____ is the chemical used to trap _____ used for the process of photosynthesis.
- _____ enters the plants primarily through the _____ of plants and _____ enter the plants through small openings on leaves known as _____.
- Both water and carbon dioxide enter the cell through the _____, and eventually enter the _____.
- The _____ energy is used to _____ water and carbon dioxide molecules into individual atoms of _____, _____, and _____.
- Hydrogen, oxygen, and carbon atoms go through several chemical reactions and get _____ to form new molecules as _____.
- The _____ of photosynthesis are _____ gas and a _____ known as _____.
- _____ gas leaves the plants through the stomata of the leaves while the _____ gets stored in the plants and used as a food source for energy.
- The chemical equation for photosynthesis is water + carbon dioxide → glucose + oxygen
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Leave to the Sun: Processing

Explain what is happening in each step of photosynthesis in the pictures below. Use the key concepts to help you label each step of photosynthesis.

1.

2.

5.

C([C@@H](O)[C@H](O)[C@@H](O)CO)O=O

Glucose

O₂

3.

4.