



Making a Model Showing the Process of Photosynthesis

Photosynthesis is how plants use light energy from the sun to make food.



GOAL

Make a model that shows the inputs, process, and outputs of photosynthesis.



MATERIALS

- Paper or poster board
- Markers or colored pencils
- Scissors
- Glue
- Colored paper (optional)
- String or yarn (optional)
- Labels (or small sticky notes)



VOCABULARY

Photosynthesis – the process plants use to make food.

Chlorophyll – the green pigment in plants that absorbs light.

Glucose – a type of sugar that plants make for food.

Oxygen – a gas released by plants during photosynthesis.

Carbon Dioxide – a gas in the air that plants use.

Water – liquid that plants take in from the soil.

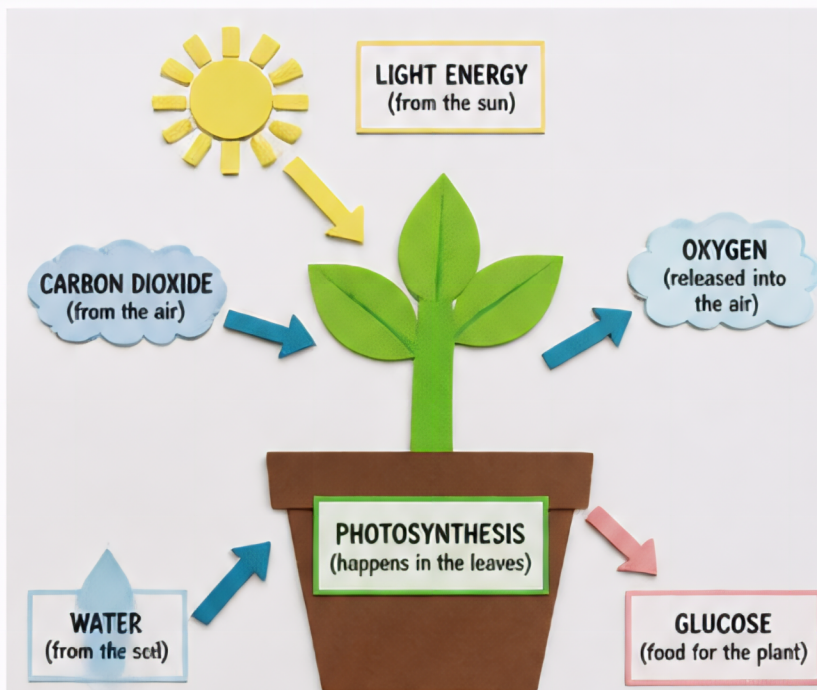
Light Energy – energy from the sun that plants use.



SAFETY

Use scissors carefully.
Ask an adult for help if needed.

YOUR MODEL SHOULD SHOW:



PROCEDURE

1. Research the process of photosynthesis. Identify the inputs, where the process happens, and the outputs.
2. Plan your model. Decide how you will show each part and what labels you will use.
3. Create your model using the materials. Include arrows to show the flow of the process.
4. Add labels and a title.
5. Share your model and explain how photosynthesis works!



THINK & REFLECT

1. What are the inputs that plants need for photosynthesis?

2. Where does photosynthesis happen in the plant?

3. What are the outputs of photosynthesis?

4. Why is photosynthesis important for living things?

Extension Idea:

Add a short paragraph or comic strip that explains photosynthesis in your own words.

