

# JR-SCIENTISTS

# PHOTOSYNTHESIS

**\$2 worth of supplies and you can build pool noodle structures!  
It's one of ur many simple STEM activities that will keep kids busy!**

## INSTRUCTIONS

**STEP 1:** Print the photosynthesis template and color.

**STEP 2:** Cut out the pieces of the diagram.

**STEP 3:** Glue the pieces in the appropriate place on another piece of paper to display the photosynthesis process.

## SUPPLIES

**Template**

**Markers**

**Scissors**

**Glue stick**

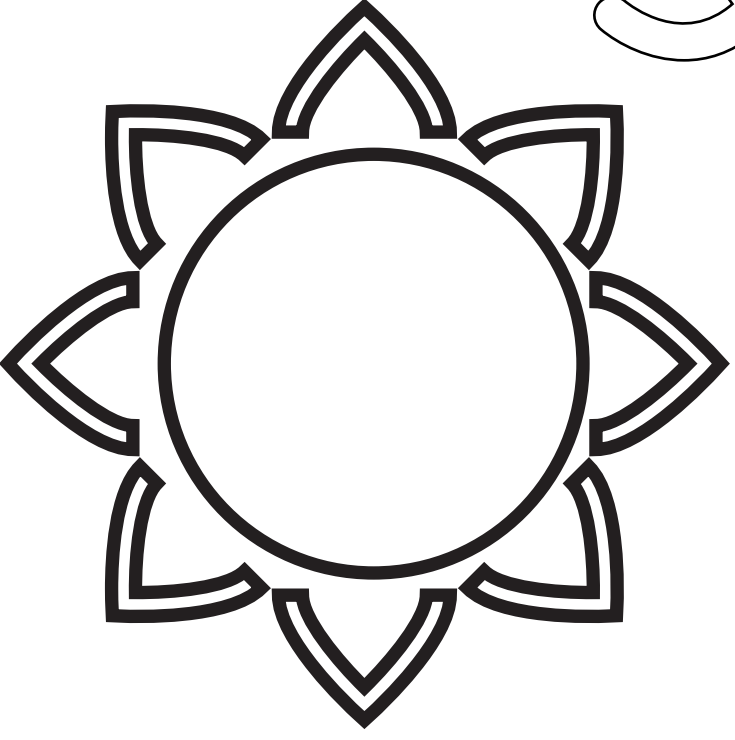
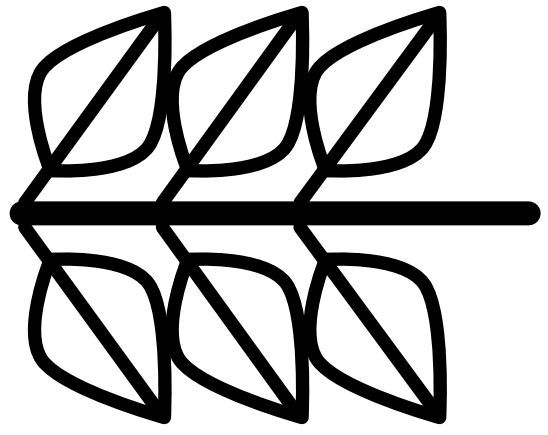
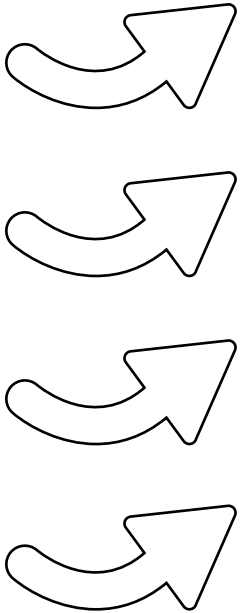
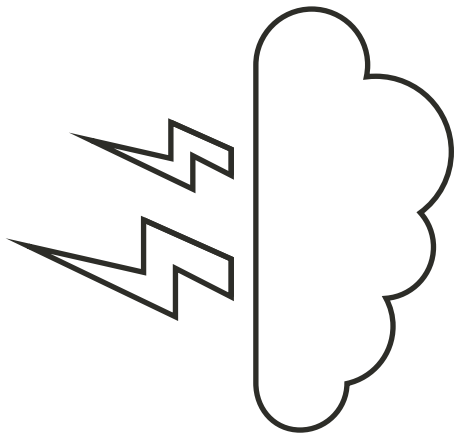
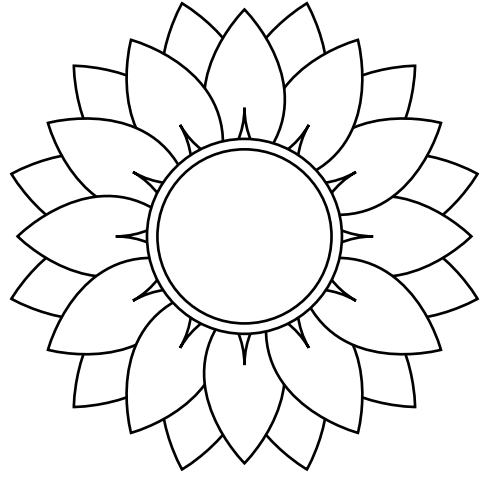
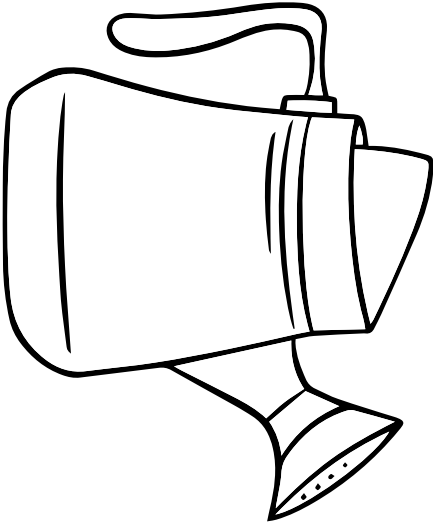
**Blank paper**

## THE SCIENCE

The meaning of the word "photosynthesis" is the combination of two words, "photo" which means light, and "synthesis" which means putting together.

Photosynthesis is the process plants use to make their own food. It is a requirement for all forms of life to survive on Earth. Photosynthesis requires sunlight, chlorophyll, water, and carbon dioxide gas. Plants take in water from the soil and carbon dioxide from the air, and they produce oxygen and glucose (sugar). The plants use some of the sugars and keep the rest in storage. The oxygen they create is released into the air.

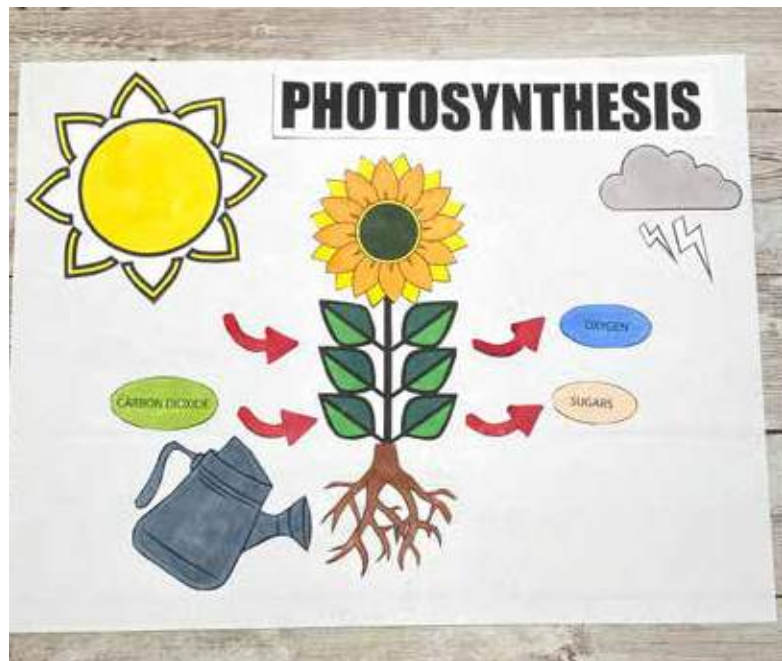
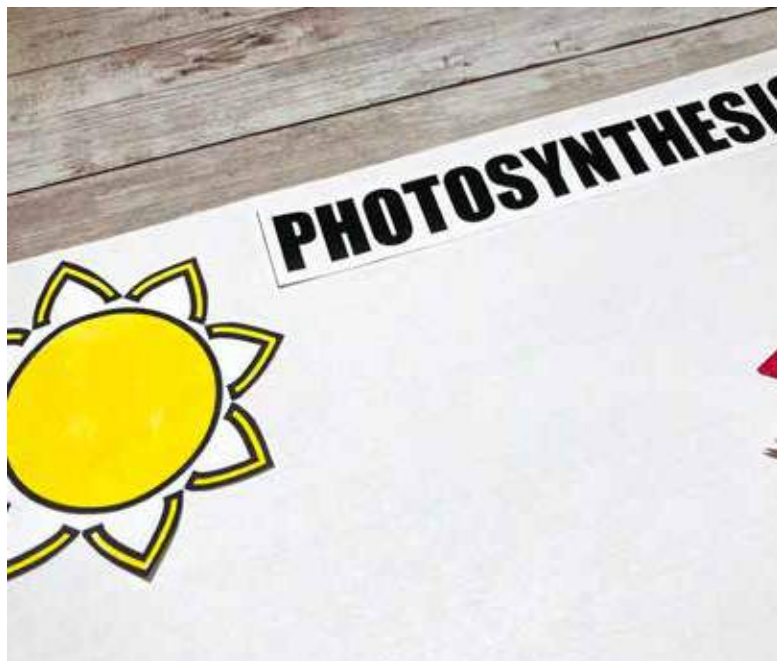
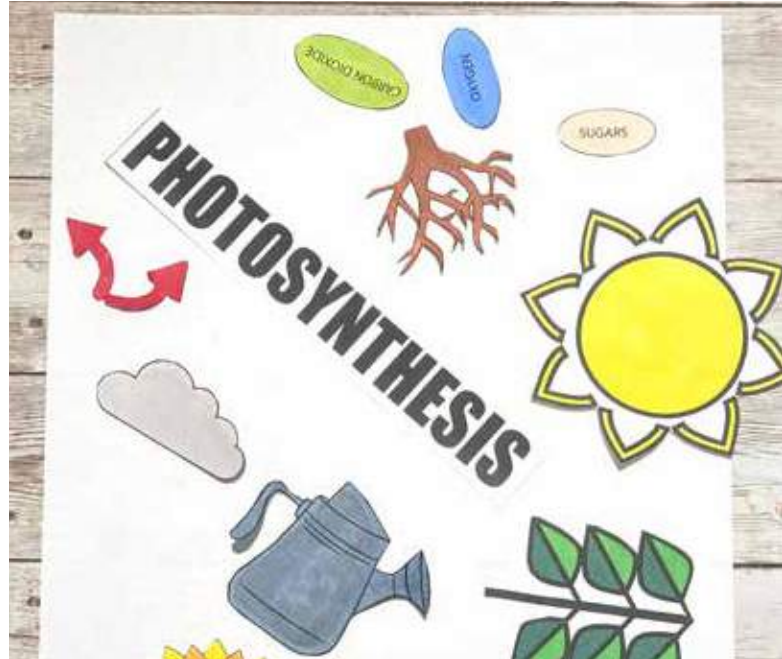
# PHOTOSYNTHESIS



SUGARS

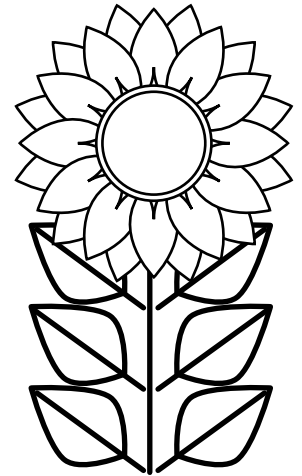
OXYGEN

CARBON DIOXIDE



# Photosynthesis Observations

Use this worksheet to process and evaluate your work.



What does 'photosynthesis' mean?

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What four things do plants need to live?

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What two things do plants produce?

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What is the green pigment that gives plants their color?

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