

## Create a Photosynthesis Model



**Time:** *Thirty-Minutes*

**Instructions:** *Review the photosynthesis video and flash cards before beginning this activity. Use a blank sheet of paper to draw a model of photosynthesis step by step. Use pencils, pens, crayons, or colored markers. Try to remember the meaning of each vocabulary word as you use them in the model.*

1. In the middle of the page, draw a plant. Any plant! Make sure that it has at least one leaf and does not take up more than the center of the page..
2. Draw a sun above the plant. Draw arrows from the plant to the sun. Write the word “Transpiration.”
3. Write “Chlorophyll” above the leaf in green if you are using colors. Draw an arrow from the sun to the word chlorophyll to show that the plant is taking in the sunlight through chlorophyll.
4. Okay, now it’s time to add a source of water for your plant. Draw some rain and a small water puddle nearby.
5. If you didn’t draw roots on your plant, draw some roots.
6. Draw an arrow from the puddle of water to the roots to show that the plant is taking in water through its roots.
7. Add small veins to the leaves of your plants to show how water travels through the plant.
8. On the left-hand side of the plant, write "Carbon Dioxide." On the right side, write “Oxygen.”
9. Draw an arrow from the carbon dioxide to the plant to show that the plant is taking in carbon dioxide.
10. Draw an arrow from the plant to “Oxygen” to show the plant is releasing Oxygen. The intake of Carbon Dioxide and release of Oxygen is also called respiration.
11. Draw a sugar cube near the plant. Write “Glucose.”
12. Draw a person near the plant. Any person.
13. Draw an arrow from “Oxygen” to the person to show that the person is taking in oxygen from the plant.
14. Write the word “Interdependence” between the plant and person.

*Great work! You have now created a model of photosynthesis!*