

Photosynthesis Foldable

1. Fold your sheet of paper along the short ends so the edges meet in the middle.
2. Cut each flap into three equal parts. → You should have six flaps (see right).



3. On each of the **top 3 flaps**:
 - a. Write a **“reactant”** for photosynthesis (radiant energy, water, and carbon dioxide)
 - b. Draw a picture or symbol representing each one.
4. **Underneath** each of the top 3 flaps, explain **how a plant obtains this “reactant”** (e.g. Where does it come from?)
5. On each of the **first 2 bottom flaps**:
 - a. Write a **product** of photosynthesis (oxygen, glucose)
 - b. Draw a picture or symbol representing each one.
6. **Underneath** each of the first bottom 2 flaps, explain **how plants and/or animals use this product**.
7. On the **right-most bottom flap**, write the word **“Photosynthesis.”**
8. Underneath this flap, describe the roles of **chloroplasts** and **chlorophyll** in photosynthesis. Include which is a pigment and which is an organelle.
9. In the center space, write the **chemical equation for photosynthesis**.