

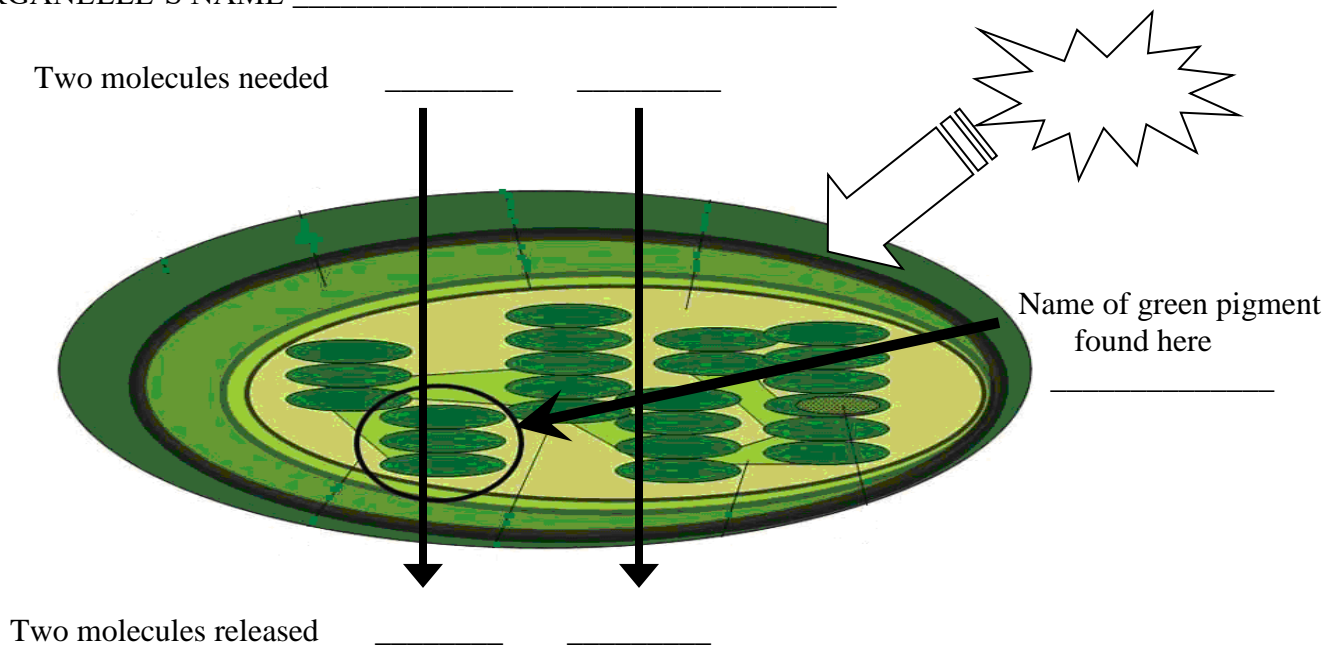
# PHOTOSYNTHESIS & RESPIRATION

## Photosynthesis

1. What is it?
2. In what organelle does photosynthesis take place?
3. What is the chemical formula for photosynthesis?
4. What are the reactants?
5. What are the products?
6. What is the name of the pigment that absorbs light?
7. What color of light is reflected by the pigment?
8. The oxygen released by plants comes from what reactant in photosynthesis?
9. What is the source of the carbon in the sugars made by plants?
10. What type of energy is created in photosynthesis?

Label the picture with the correct terms for photosynthesis

ORGANELLE'S NAME \_\_\_\_\_



# Cellular Respiration

1. What is it?
2. Where does cellular aerobic respiration occur in both plants and animals (organelle name)?
3. What is the chemical equation for cellular respiration?
4. What are the reactants?
5. What are the products?
6. What energy molecule is used by cells to do work?
7. Describe the energy conversion occurring in cellular respiration.
8. What waste gas is given off during cellular respiration?
9. How does this gas help plants?
10. What is the relationship between cellular respiration and photosynthesis?

Label the picture with the correct terms for cellular respiration.

ORGANELLE'S NAME \_\_\_\_\_

