Directions: Cut out all of the boxes on this page to glue onto the diagram

Plants take in water

Animals take in oxygen through breathing

C6H12O6

Plants release oxygen.

O2

Animals exhale carbon dioxide.

Plants use this process to produce glucose from sunlight

C6H12O6

O2

Animals release water. Water evaporates into the atmosphere

H2O

Animals undergo respiration to produce energy

CO2

H2O

Animals take in glucose through eating

Plants take in carbon dioxide

CO2

Directions: Cut out and glue the boxes onto the correct part of the diagram below to complete the photosynthesis/respiration cycle.

This symbol means that a text box should be glued over that place (X marks the spot!)

Photosynthesis and Respiration





Photosynthesis

Respiration Respiration

Part 2: Photosynthesis and Respiration Equations

On this page, glue down the different chemical formulas to complete each equation, then answer the questions below.

 **Photosynthesis Equation**

 **Respiration Equation**

1. Plants have to go through respiration too, how would a plant go through respiration? Describe the process.
2. Explain how the CO2 that animals release is created. Where do each of the atoms come from?
3. When humans burn fuel such as oil or wood, it release large amounts of CO2 into the air. How do you think this might affect the photosynthesis/respiration cycle?