Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

# A Scientific Play Starring…..Photosynthesis!

**Purpose**

The purpose of this exercise is to act out the process of photosynthesis. [[1]](#endnote-1)

**Procedure:**

 **Materials**

1. Cardboard sun
2. Cardboard leaf
3. Construction paper name tags (Light, CO2, H2O , O2 , C6H12O6)

**![C:\Users\Angela\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\DRP2N1IJ\MCj04242300000[1].wmf]()Sequence of Steps**

1. Complete the Content Review at the end of this lab.
2. Your teacher will guide you to break into groups of approximately 7 students.
3. Gather or create the necessary materials listed above.
4. Your challenge: Create a short play starring the roles listed below. Identify who will play each role.
* Sun \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Leaf \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Light \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* CO2 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* H2O \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* O2 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* C6H12O6 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
1. Your play should involve each member and clearly illustrate the flow of resources and

 compounds during photosynthesis.

1. After each group has presented their play, illustrate the process of photosynthesis under observations.

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**Content Review**

1. What is Photosynthesis?
2. Write the equation for Photosynthesis.
3. What are the reactants involved in Photosynthesis?
4. What are the products involved in Photosynthesis?
5. What needs to be present in order for Photosynthesis to occur?

**Observations:**

Illustrate the process of photosynthesis below.

1. Knapp, Beth (2008).Photosynthesis Products. *Atwater High School Ag Department*. [↑](#endnote-ref-1)