



**Directions: Complete the photosynthesis diagram above by adding the missing word(s) to each box**

**Use the science text book and hand-outs in IAN to assist you with completing the information about photosynthesis below.**

When \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ strikes a plant’s \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ it sets in motion the process known

as \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. Besides \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ energy plants

also need the raw materials of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ to

power photosynthesis. Plants use energy absorbed by \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, a chemical

found in the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ cell of a plant’s leaves. When the **raw materials** of water and

carbon dioxide combine with light a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ reaction occurs. This produces a

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ or carbohydrate that serves as food for the plant and produces

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. These results of photosynthesis are known as **products**.

**The process of photosynthesis can be described in an equation:**

C02 + H20 C6H1206 + 02

**Identify the components of the photosynthesis process below**

C02 = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

H20 = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

= \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

C6h1206 = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

02 = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Write out the photosynthesis process in word form below. Lightly color the raw materials blue and the products green.**