

**QUESTION: How do you make a protein?**

Proteins are the product of other parts being put to use. In order, when genes "talk" and combine to make "building blocks". These are the amino acids, as well as water and other things. It takes time and energy. The final product is a long chain of amino acids. Another product of photosynthesis is sugar. When plants make their own, use the sugar stored in starch, and produce through the photosynthesis.

How does water change from water and oxygen to  $H_2O$  through photosynthesis? The water is used during the process. The final product is a long chain of amino acids. Another product of photosynthesis is sugar. When plants make their own, use the sugar stored in starch, and produce through the photosynthesis.

Describe photosynthesis using the  $H_2O$  molecules in the cells of the chloroplasts in the water,  $CO_2$  and light, and how these are used to make sugar.

How is the chemical reaction of photosynthesis?



(Inclusion of water + 6 molecules of carbon dioxide)

and

6 molecules of sugar + 6 molecules of oxygen

- 1. What is photosynthesis?  
\_\_\_\_\_
- 2. How do the chloroplasts use photosynthesis to make \_\_\_\_\_  
\_\_\_\_\_
- 3. How does photosynthesis use  $H_2O$  \_\_\_\_\_  $CO_2$  \_\_\_\_\_  
\_\_\_\_\_  $C_6H_{12}O_6$  + \_\_\_\_\_
- 4. How do you think about sugar? (photosynthesis product) \_\_\_\_\_  
\_\_\_\_\_