

**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 split during the process. This means the water and photosynthesis reaction. However, the water is not split at all.

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?



6 molecules of water + 6 molecules of carbon dioxide  
produce

6 molecules of sugar + 6 molecules of oxygen

- 1. What is photosynthesis?  
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- 2. How do the three things necessary for photosynthesis work?  
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- 3. How does photosynthesis work?  $H_2O$  \_\_\_\_\_  $CO_2$   
light \_\_\_\_\_  $C_6H_{12}O_6$  + \_\_\_\_\_
- 4. What do you think would happen if photosynthesis stopped?  
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