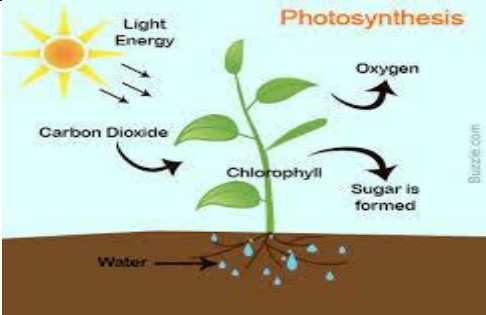




# Physical and Chemical Change Homework

7. What are the reactants and products in the reactions given below?

Reaction	Reactants	Products
 <p>The diagram illustrates the process of photosynthesis in a green plant. Light energy from the sun is absorbed by chlorophyll in the leaves. Carbon dioxide enters the plant through stomata, and water is taken up by the roots from the soil. The plant then produces oxygen and sugar.</p>		
$A + B \rightarrow C + D$		
$CH_4 + 2O_2 \longrightarrow CO_2 + 2H_2O$		
$2H_2O \longrightarrow 2H_2 + O_2$		
Phenol + Methanol = Methoxybenzene		
Mixing of vinegar and baking soda in a test tube causes formation of bubbles and foam.		

8. Which of the following is a chemical change?

- Cutting an apple
- Bending of wire
- Baking of bread
- Melting of wax