

Name _____ Date _____ # _____

Study Guide for Photosynthesis (Quiz- Friday, 11/20/15)

- What is needed for photosynthesis?
Water (H₂O), Carbon Dioxide (CO₂), and energy from sunlight
- Photosynthesis is the name of the process in which producers make their own food
- "Photo" is the Greek word for "Light," and "synthesis," is the Greek word for "putting together," which explains what photosynthesis is. It is using light to put things together.
- Photosynthesis takes place in the chloroplasts of plant cells. The chlorophyll found in chloroplasts is what captures the light from the Sun and starts the whole process of photosynthesis.
- Oxygen is a waste product of photosynthesis.
- Glucose is created during photosynthesis.
- Glucose is a sugar made by producers. Glucose is the main source of nutrition for plants. Glucose fuels the plants' cells for function and growth.
- Producers (plants) NEED SUNLIGHT to grow.
- Producers get what they need for photosynthesis from: air, water, and sunlight
- Plants take in carbon dioxide and give off oxygen.
- Animals take in oxygen and give off carbon dioxide.

*Don't forget to use your notes from your Science notebook to study. You can also use Science videos and activities on our Science page on the blog.

*Be familiar with the image below:

Carbon Dioxide + Water + Light ----> Sugar + Oxygen



