

PHOTOSYNTHESIS FILL-IN-THE-BLANK WORKSHEET

Name: _____

1. The _____ pigment loses its electrons after other pigments transfer energy to it.
2. NADPH is created from the bonding of _____ and _____, the later of which it gets from chlorophyll.
3. The oxygen released by plants comes from the breakdown of _____.
4. The movement of hydrogen ions from inside the _____ membrane to the _____ creates the energy necessary for making adenosine triphosphate.
5. _____ and _____ made during the light reactions are used during the Calvin cycle.
6. Light absorption occurs at the surface of the _____ membrane.
7. A single _____ and adenosine diphosphate (_____) bond to form _____ during ATP formation.
8. During the Calvin cycle the carbon in _____ is used to make _____, a final product of photosynthesis.
9. As electrons are carried during the electron transport reaction, _____ are pumped _____ the thylakoid compartment.
10. _____ is the process by which plants convert the energy in sunlight into carbohydrates.
11. The electrons lost by chlorophyll are replaced by _____.
12. Adenosine triphosphate is created during _____.
13. The Calvin cycle occurs in the _____ of the chloroplast.
14. The energy to make carbohydrates ultimately comes from the _____.
15. Photosynthesis occurs in the _____, an organelle found in plant cells.
16. The electron transport reactions produce the intermediate energy molecule _____.