

Name _____ Date _____

1. The vegetative vacuole produces energy by photosynthesis.
2. The photosynthetic process receives _____ from the atmosphere.
3. The process of splitting water to release hydrogen and electrons occurs during the _____ reaction.
4. The process of fixing carbon dioxide into carbohydrates occurs in the _____ reaction.
5. How do autotrophs and heterotrophs differ?
6. Describe the difference between ATP and ADP.
7. What does ADP/ATP stand for?
8. What is a pigment?
9. What is chlorophyll? and what is its function?
10. How do you know that plants generally do not use green light?
11. Describe the difference between photosystem I and photosystem II.
12. Describe the relationship between the thylakoids, stroma, and grana.
13. Where does the plant get carbon for the making of carbohydrates?
14. What is happening during carbon dioxide fixation?
15. What are carotenoids and what is their use?
16. Describe the three main steps of photosynthesis.