**VIDEO GUIDE FOR BOZEMAN BIOLOGY – PHOTOSYNTHESIS**

1. Define Thylakoid
2. Define Granum
3. Define Stroma
4. What is the site of the light reaction?
5. What is the site of the Calvin cycle?
6. Give the equation for photosynthesis
7. In the light reactions, what goes into the thylakoid?
8. What is produced by the light reactions?
9. What goes into the Calvin cycle?
10. What is produced by the Calvin cycle?
11. The splitting of water in the light reactions produces \_\_\_\_\_\_\_
12. As protons move through \_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_, ATP is made.
13. The electrons in NADPH come from \_\_\_\_\_\_\_\_\_\_\_
14. The main enzyme of the Calvin cycle is \_\_\_\_\_\_\_\_\_\_\_\_\_
15. The Calvin cycle produces \_\_\_\_\_\_\_\_\_\_\_\_ which can be assembled into glucose, maltose, etc.
16. Fixing carbon means making it \_\_\_\_\_\_\_\_\_\_\_\_\_\_
17. What is photorespiration?
18. Almost all plants are called \_\_\_\_\_\_\_\_\_ plants.
19. How do CAM plants deal with the problem of photorespiration?
20. How do C4 plants deal with the problem of photorespiration?