

# AP Biology Lab 04 – Plant Pigments and Photosynthesis Video Review Sheet

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1. Photosynthesis is how plants use energy of the \_\_\_\_\_ into
2. What are the two parts of photosynthesis?
3. Which chlorophyll is important?
4. Concerning pigment chromatography, what is the  $r_f$  value? Give an example of how you would calculate it.
5. Why are the leaf chads put in water that contains baking soda?
6. A “heat sink” is a container of water that the light hits first before hitting your experimental vial/beaker. What is the importance of a heat sink? (What would happen if it wasn't there?)
7. The leaf chad will absorb \_\_\_\_\_
8. It will convert the  $H_2O$  into \_\_\_\_\_
9. The  $O_2$  will cause the chad to be more
10. What are the variables that can be used and what could you expect for each?
11. How are you measuring your dependent variable?
12. In the older lab, a spectrophotometer measured how fast \_\_\_\_\_ became reduced. (It replaced the role of NADP in the plant). As it becomes reduced it changes from \_\_\_\_\_ to \_\_\_\_\_