**Modeling module for Biology Standard 3.1** Florescence of Chlorophyll

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Driving Question: What happens to chlorophyll when it is exposed to different wavelengths of light?

Indiana Standards:

Core Standard 3; B 3.1

Describe how some organisms capture the Sun’s

energy through the process of photosynthesis by

converting carbon dioxide and water into high-energy compounds

Objectives: This activity is designed to help students discover

what part of the plant captures light energy.

Time Frame: 45 min.

Student Directions:

1. Wear safety goggles
2. Write a hypothesis and a procedure that would answer the driving question. White Board
3. We provide: acetone or ethyl alcohol
   * 1. Spinach leaves
     2. Red Cabbage juice
     3. water
     4. Test tubes
     5. Black Light
     6. Flash Light
     7. Mortar and pestle
4. Bd Meeting/Discussion
5. Perform Experiment and write up lab
6. Bd Meeting ?Discussion