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**Criterion B: Photosynthesis Design Lab**

**Instructions:** Use the following website simulation of an Elodea plant conducting photosynthesis to design your own investigation of photosynthesis. <http://www.reading.ac.uk/virtualexperiments/ves/preloader-photosynthesis-full.html> Be sure to create a testable research question, hypothesis and identify variables before getting started on data collection. You need to identify what data can be gathered from this simulation and decide how this data can show changes in photosynthesis as you manipulate your independent variable.

**Research Question:**

**Hypothesis:**

**Independent Variable:**

**Dependent Variable:**

**Control Variables (Explain 3)**

**i.**

**ii.**

**iii.**

**Materials:**

**Procedure (Detailed Number Steps):**

**Data Collection/ Table:**

**Conclusion:**