Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Date\_\_\_\_\_\_\_\_\_Per\_\_\_\_\_

Energy Changes in an Aquatic Ecosystem (Microcosm Study) IS2

HONORS assignment: Background Information

* **Due Tues, March 10**
* **Must be TYPED**
* **Must follow the requirements/format below**

In this investigation you have been working with group members to determine how changes in the energy (light) supplied to an aquatic ecosystem will impact the abiotic and biotic factors of that ecosystem.

|  |
| --- |
| **The background information includes**:   * A general overview of the topic of study that introduces the main idea (first paragraph) * A clear, focused, accurate and detailed information sufficient to understand the science investigated during the study that is supported with a reliable source (middle paragraph) * A brief summary of the purpose and method for data collection (final paragraph)   **Sources must be cited properly by including**:   * Proper use of parenthetical references in the TEXT to identify sources of information * A “Sources Cited” section with sources cited in complete APA format |
|

**1st paragraph – very general**

Include information describing an ecosystem; include information

describing a freshwater aquatic ecosystem; describe biotic/

and abiotic factors in an aquatic ecosystem; provide general

examples of how biotic and abiotic factors interact; provide

general examples of various aquatic ecosystems

**2nd paragraph – a little more specific**

Include information about how light provides energy

for an aquatic ecosystem; discuss producers and

photosynthesis; discuss how different types of light

(wavelengths) affect photosynthesis

**3rd paragraph – very specific**

Include purpose of this study and identify the

Independent variable (YOUR light) and

All dependent variables; provide a brief

summary of the procedures (collected

data in natural sunlight and then changed

light)