

Name:

Period:

### Evaluating the Photobioreactors

**Directions:** Fill in this graphic organizer following the specific directions for each box.

#### Claim

Which of the conditions of light duration were best for algae growth conditions?

#### Evidence

Analyze your data- which data supports your claim?  
Bullet all of your specific evidence in support of your claim.

#### Reasoning

In a minimum of 1 paragraph explain how your evidence supports your claim. How did your design affect your outcome?

Name \_\_\_\_\_

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**Score:** \_\_\_\_\_/15

**Writing Prompt Rubric**

<b>Criteria</b>	<b>Superior</b>	<b>Adequate</b>	<b>Partial</b>	<b>Limited</b>	<b>Inadequate</b>
<b>Score</b>	<b>5</b>	<b>4</b>	<b>3</b>	<b>2</b>	<b>1</b>
<b>Quality of Content (Evidence)</b>	<ul style="list-style-type: none"> <li>Information is extremely detailed and clearly supports the claim</li> </ul>	<ul style="list-style-type: none"> <li>Information is detailed and supports the claim</li> </ul>	<ul style="list-style-type: none"> <li>Information is somewhat detailed and mostly supports the claim</li> </ul>	<ul style="list-style-type: none"> <li>Information is lacking detail and does not clearly support the claim</li> </ul>	<ul style="list-style-type: none"> <li>Frequent errors; Most info is scientifically inaccurate</li> </ul>
<b>Organization (Paragraph Development)</b>	<ul style="list-style-type: none"> <li>Highly developed</li> <li>Highly organized</li> </ul>	<ul style="list-style-type: none"> <li>Well developed</li> <li>Well organized</li> </ul>	<ul style="list-style-type: none"> <li>Somewhat developed</li> <li>Somewhat organized</li> </ul>	<ul style="list-style-type: none"> <li>Lacks development</li> <li>Lacks organization</li> </ul>	<ul style="list-style-type: none"> <li>Little to no development</li> <li>Little to no organization</li> </ul>
<b>Reasoning</b>	<ul style="list-style-type: none"> <li>Strongly based on evidence</li> <li>Highly realistic</li> <li>Highly scientifically accurate</li> </ul>	<ul style="list-style-type: none"> <li>Based on evidence</li> <li>Realistic</li> <li>Scientifically accurate</li> </ul>	<ul style="list-style-type: none"> <li>Somewhat based on evidence</li> <li>Somewhat realistic</li> <li>Somewhat scientifically accurate</li> </ul>	<ul style="list-style-type: none"> <li>Formed with little support from evidence</li> <li>Mostly unrealistic/ not believable</li> <li>Mostly scientifically inaccurate</li> </ul>	<ul style="list-style-type: none"> <li>Not based evidence</li> <li>Unrealistic/ not believable</li> <li>Scientifically inaccurate</li> </ul>