



**Grades
3-5**

Biofuel Jell-O

Student Activity Workbook

Name: _____

Date: _____

**Engineering
Notebook**



Seaworthy STEM™ in a Box Series

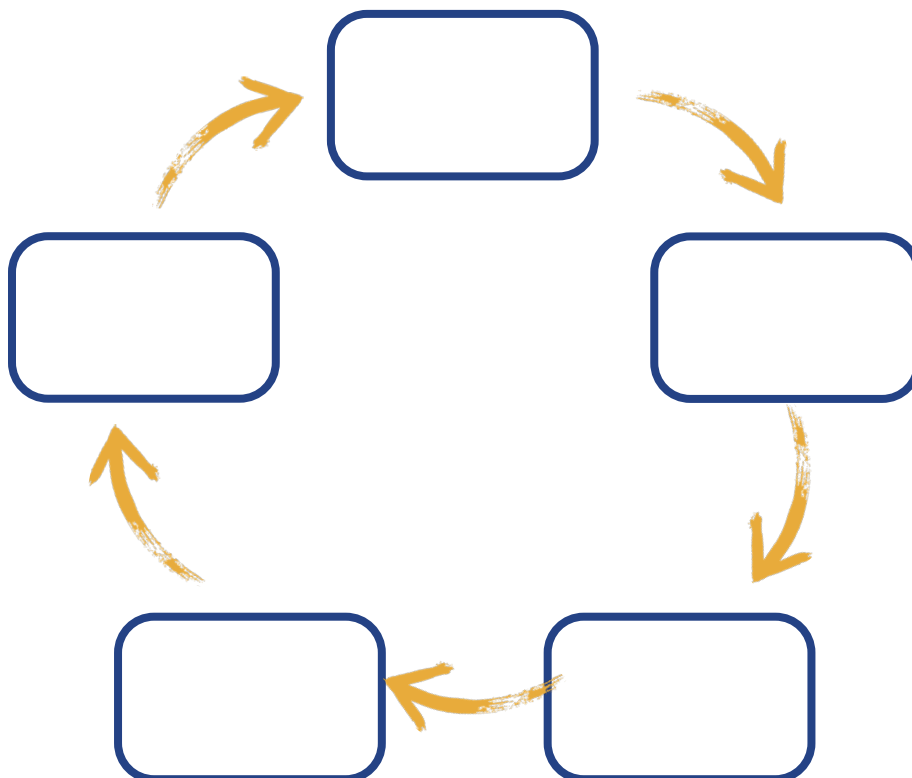
Biofuel Jell-O

1

| Solution Type | Prediction (What will it look like tomorrow?) | Observations | Does it react with blacklight? |
|--|--|--------------|--------------------------------|
| Biofuel Jello | | | |
| Jello and Tap Water (normal recipe) | | | |
| More Jello Powder and Less Water | | | |
| Less Jello Powder and More Water | | | |

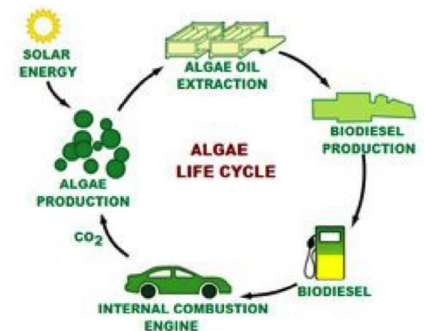
2

In the blank circular diagram below, use colors to draw and label the steps to explain the process of how to make biofuel Jell-O. Remember to label each part of the process.



Helpful Tip!

Use the biofuel algae diagram to help you brainstorm some ideas!



Fun Fact!

This diagram is a basic cycle of how algae is developed and then how it is turned into a biofuel source for human transportation such as a car.

- 3** Think about what you have learned today about sustainable energy. Now think about what you used today to create biofuel Jell-O. In the two boxes below, describe the **similarities and differences** between biofuel Jell-O and biofuel algae.

Similarities:

Differences:

- 4** In the text box below, write a short paragraph describing why sustainable energy is important for our planet? What kind of careers do you think work with the development of sustainable energy?

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