

Student Name:

Period:

## Part 1: Observe

Observe the decomposing wood. Write or draw your observations.

## Part 2: Experiment

List some things we recycle.

Describe your experiment

1. What is your question?\_\_\_\_\_

2. What is your hypothesis? \_\_\_\_\_  
\_\_\_\_\_

3. How will you test it? List your steps.

Step 1: \_\_\_\_\_  
\_\_\_\_\_

Step 2: \_\_\_\_\_  
\_\_\_\_\_

Step 3: \_\_\_\_\_  
\_\_\_\_\_

Step 4: \_\_\_\_\_  
\_\_\_\_\_

Step 5: \_\_\_\_\_  
\_\_\_\_\_

Step 6: \_\_\_\_\_  
\_\_\_\_\_

Step 7: \_\_\_\_\_  
\_\_\_\_\_

Step 8: \_\_\_\_\_  
\_\_\_\_\_

Step 9: \_\_\_\_\_  
\_\_\_\_\_

Step 10: \_\_\_\_\_  
\_\_\_\_\_

4. What data will you collect? \_\_\_\_\_

\_\_\_\_\_

5. How will you collect data? \_\_\_\_\_

\_\_\_\_\_

6. How will you record data? \_\_\_\_\_

\_\_\_\_\_

Use this to record your data. Add labels to the columns. Add labels to the rows.



What did your data show?

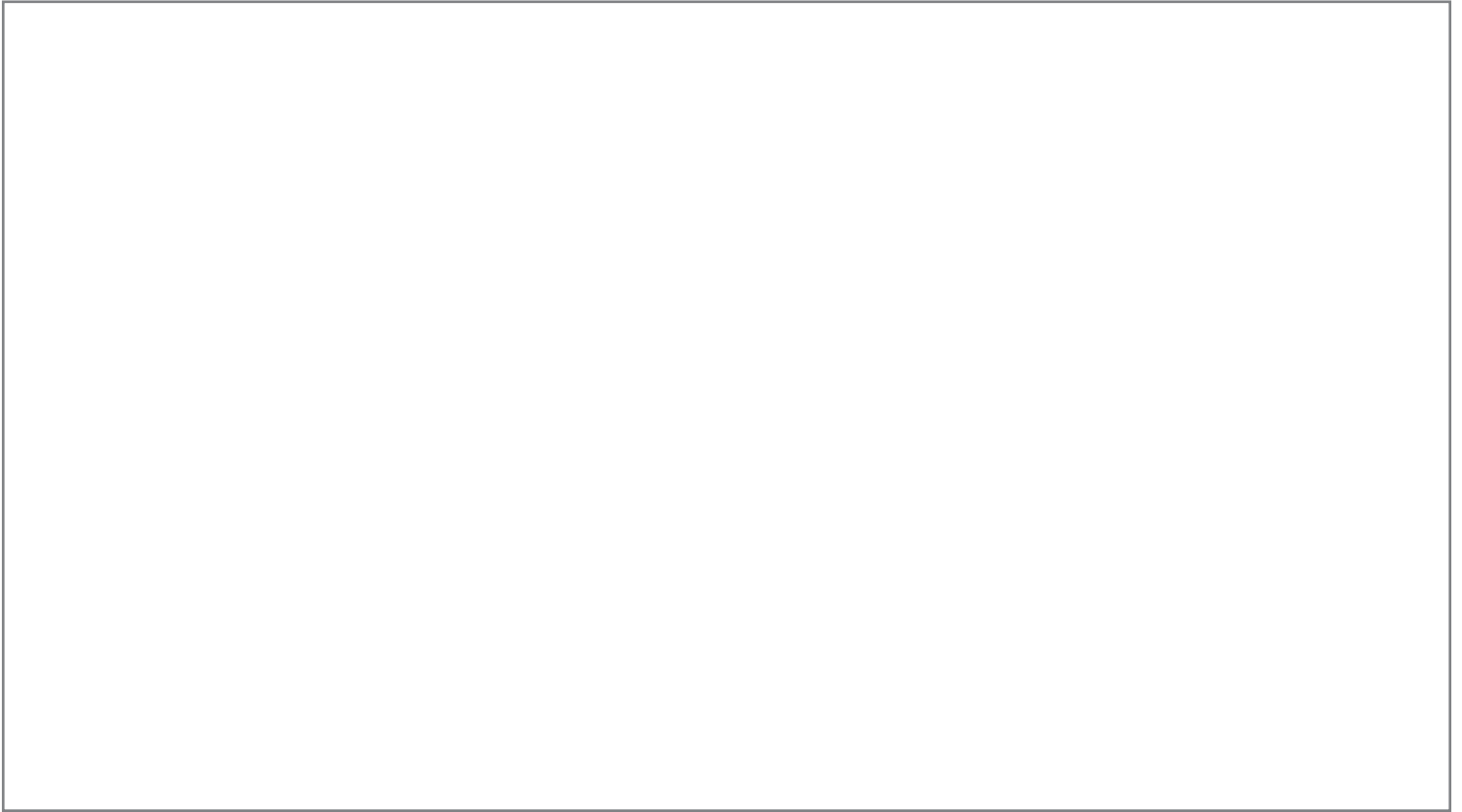
\_\_\_\_\_

\_\_\_\_\_

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### Part 3: Engineer

Design a way to recycle plastic. Draw a diagram (make a model) of how this would work. See if you can get some ideas from how nature recycles a tree!



Explain

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We recycle plastic. Nature recycles trees. How are these the same? How are they different? Draw or write your ideas.

Explain