

Student Design Template and Observation Sheet

1. In the space below, describe the role of worms in a soil ecosystem.

2. Now it's time to research! In a small group, you are going to create a vermicompost. Use the space below to record your research from three different sources.

Research Question: _____

Keywords to search: _____

Resource 1:

Title of Resource: _____

What did you learn? _____

Resource 2:

Title of Resource: _____

What did you learn? _____

Resource 3:

Title of Resource: _____

What did you learn? _____

3. What factors need to be considered when setting up your vermicompost? (e.g., location for container; creating the right climate, light, and humidity)?

4. In the space below, draw your ideal vermicompost.



5. Describe the steps you will follow in order to build your solution, and a list of materials that you will need.

Steps to follow

Materials

Material	Size/Type (Large or Small)	Quantity

Observations:

Day	What did you observe?	What changes or additions did you make?	Why did you make those changes? What do you expect the outcome to be?

1. What did you learn from your initial observations about meeting the needs of living things?

2. What modifications, based on your observations, need to be made to keep the vermicompost healthy?

3. Evaluate how well your vermicompost worked. Did it achieve its task? Was it the ideal vermicompost? Why or why not?

4. What changes did you make as you worked and why? What changes would you make if you could start over?
