

Microplastic Mayhem!

Name: _____ Date: _____

Group Members: _____

Part 1. Data Collection

Record the following data at the end of each round.

Round / Waste Management Policy	Microplastics Remaining in YOUR cup	Total Microplastics in Environment Board

Who in your group is the microplastic pollution prevention champion?!

Part 2. Graphing

Create a graph of the data below. On the x-axis, label the round number (1-4). On the y-axis, provide the number of microplastics in the environment. Choose a graph type to best represent the data. Make sure to add a relevant title to your graph!



Part 3. Short Answer Questions

Answer the following in complete sentences.

From your graph, what trend do you notice in the number of microplastics ending up in the environment across rounds? What caused this trend during gameplay?

Which waste management practices seem to have the most impact on gameplay? How does this relate to the real world?

Why is it important to remove or prevent large plastics from entering the environment? Use evidence from your graph and gameplay to explain your answer.

What barriers might exist in the real world when trying to implement waste management practices?

