

DATA TRACKER SHEET

Team Name: _____ | Date: _____ | Scenario: _____

1. Initial Water Sample Observation

Use your senses to describe the original water sample.

Observation	Description
Color	
Odor	
Visible Particles	
Other Notes	

2. Simple Water Tests

Test	Reaction Observed	Time (seconds)	Notes
Vinegar (acidity)			
Iodine (organics)			
Soap (hardness)			

3. Filter Design

Material Order (Top → Bottom)	Why you chose this order
1.	
2.	
3.	
4.	
5.	

4. Filter Test Results

Criterion	Before Filtering	After Filtering	Notes
Clarity (1–5)*			
Odor (None/Mild/Strong)			
Particles Visible	Yes / No	Yes / No	
Time to Filter (s)			

* 1 = very dirty, 5 = very clear

5. Improvements

What will you change and why?

- Change(s):

- Reason(s):

6. Filter Test Results after improvements

Criterion	Before Filtering	After Filtering	Notes
Clarity (1–5)*			
Odor (None/Mild/Strong)			
Particles Visible	Yes / No	Yes / No	
Time to Filter (s)			

7. Comparison Chart

Create a bar graph comparing Clarity and Filtering Time from Attempt #1 and #2.

8. Reflection

- What worked best?

- What would you do differently next time?
