

Water Heroes Program: Activity Sheet #2

A. Designing your water filter

Student Name: _____ Date: _____

Directions: Complete the below tables as you conduct the water filtration activity. In Column A, which is filled in for you, indicates the trial number (conduct the experiment as many times as your materials will allow). In Column B, indicate what items you used. In Column C, use the table below to guess what the ranking will be for this trial. In Column D, rank how clean your water was after filtering. An example is provided for you in the table below outlined in red.

Trial (A)	Items used (B)	Ranking (Guess) (C)	Ranking (Actual) (D)
1	Sand, gravel, and cheesecloth	3 (Somewhat clean)	2 (clean)

Trial (A)	Items used (B)	Ranking (Guess) (C)	Ranking (Actual) (D)
1			
2			
3			
4			
5			

Use this table to help you rank the quality of your filtered water in column (D)				
Very dirty	Dirty	Somewhat clean	Clean	Very clean
5	4	3	2	1

B. Results

1. Which combination of filter materials produced the cleanest water?

2. How would you design your filter differently to produce the cleanest water possible?

3. Is your water safe to drink after it has been filtered? Why or why not?
