

# 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 (you do not have to conduct the experiment 5 times). In Column B, indicate what items you purchased and in Column C, write down how much those items cost. In Column D, use the table at the bottom to rank how clean your water was after filtering. An example is provided for you in the table below outlined in red.

Trial (A)	Items purchased (B)	Cost (C)	Water quality ranking (D)
1	Sand, gravel, and cheesecloth	\$8	2 (clean)

Trial (A)	Items purchased (B)	Cost (C)	Water quality ranking (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 worked the best?
2. Was it the most expensive?