Data Collection Worksheet: Part 1

Describe the polluted water before treatment:

A drawing of our polluted water	Observations of our polluted water (What I see and smell)

I predict that the _____ (filter type) will remove _____

_____

_____

when we pour the polluted water through it because _____

_____

_____

_____

Our filter is _____

The Dirty Water Project: Design-Build-Test Your Own Water Filters

A drawing of our filter system

Describe the filtered water after treatment:

A drawing of our filtered water	Observations of our filtered water (What I see and smell)

Results

My prediction was _____ (correct/incorrect) because _____

_____

_____

_____

_____

Class Data

Treatment Type	Removed this type of "pollution"
Mesh filter only	
Cotton ball filter	
Filter paper	
Sand filter	
Soil filter	
Small pebbles filter	
Large pebbles filter	
Charcoal filter	
Aeration	

Plan for the Best Water Filter

Type of water we will use _____ (aerated or non-aerated) because

_____

_____

We will use (material) _____ in our filter because _____

_____

_____

We will use (material) _____ in our filter because _____

_____

_____

We will use (material) _____ in our filter because _____

_____

_____

We will use (material) _____ in our filter because _____

_____

_____

We will use (material) _____ in our filter because _____

_____

_____

We will use (material) _____ in our filter because _____

_____

_____

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The Dirty Water Project: Design-Build-Test Your Own Water Filters

Data Collection Worksheet: Part 2

A drawing of our best water filter setup

Describe the filtered water after treatment:

A drawing of our filtered water	Observations of our filtered water (What I see and smell)

Questions

Did your filter work as you expected it to? Explain why or why not.

_____

_____

_____

_____

_____

_____

Do you think the filtered water is clean enough to drink? Explain why or why not.

_____

_____

_____

_____

_____

Do you think the filtered water is clean enough to put into a river? Explain why or why not.

_____

_____

_____

_____

_____

List some ideas for ways you might get the "polluted water" cleaner.

_____

_____

_____

_____

_____