

Team Members: _____

Date: _____

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 _____

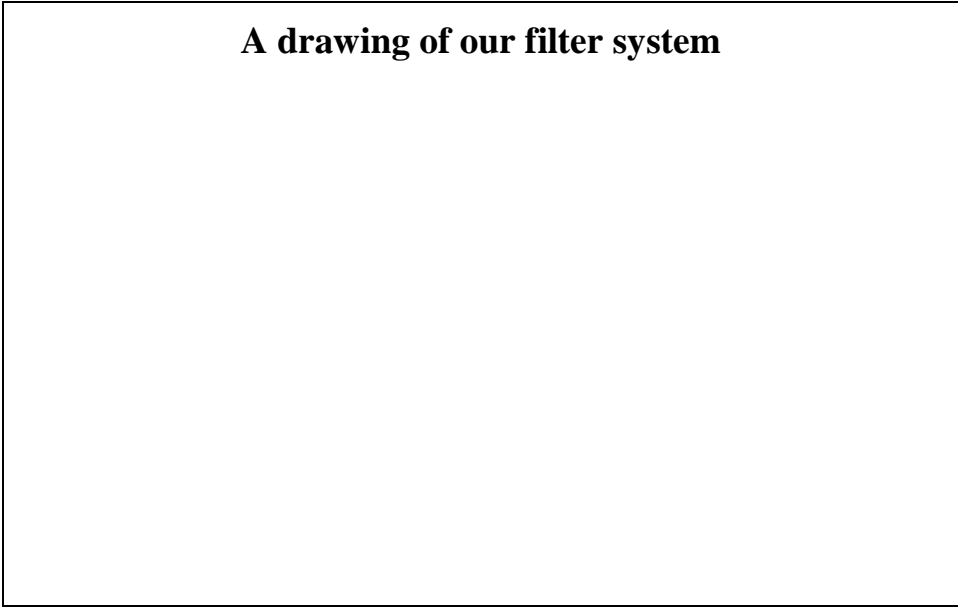
when we pour the polluted water through it because _____

Our filter is _____

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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) |
|--|--|
| | |

Team Members: _____

Date: _____

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 | |

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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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Data Collection Worksheet: Part 2

| A drawing of our best water filter setup |
|--|
| |

Team Members: _____

Date: _____

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.

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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?
