



Water Filter Game

For two people you will need:

- Sand
- Gravel
- Cotton balls
- Coffee filters
- Paper Towels
- Two Clear Cups
- Two Flexible Cups – (with a pencil-sized hole in the bottom of cup)
- Dirty Water (you could add dirt, food coloring, pieces of paper, etc.)

Getting Started:

1. Print a copy of the lab sheet for each person participating.
2. Give each person one clear cup and one flexible cup.
3. Have each person make a filter by layering different filter materials in the flexible cup.
4. Record the materials that you use for each layer on the lab sheet.
5. Stir up the dirty water to make sure everything is mixed well.
6. Hold the filter cup over the clear cup and pour some dirty water into the filter.
7. Observe and record the information on the lab sheet.

Who had the cleanest water? Why?



Water Filter Game Lab Sheet

Name: _____

How did you layer your materials?

Top	_____	4 th
Middle	_____	3 rd
Middle	_____	2 nd
Bottom	_____	1 st



1. How does your filtered water look?
 Clear Cloudy Dirty
2. Which water filter produced the “cleanest” water?

3. Why did it produce the “cleanest” water?

4. What changes would you make to your filter?
