**PREDICT**

Which material would remove the **MOST** soil?

Which material would remove the **LEAST** soil?

**TEST**

1. Place clear cup on tray.
2. Place **one** material in the red marked cup with the holes.
3. Cover the entire bottom of this cup with material.
4. Hold red marked cup over clear cup.
5. Pour dirty water into red marked cup to line.
6. Hold red marked cup over clear cup until all water has drained from red marked cup.
7. Place white paper behind clear cup to observe. Complete next page.
8. Repeat for each material.
After the water has drained into the bottom clear cup, describe and draw what you observe in the bottom clear cup?

- sand
- cotton ball
- sponge
- coffee filter
- small pebbles
- medium rocks
- newspaper
- net
- paper towel
- shelf paper
- gauze
Water Filter Design

Label the materials inside the filter in the order you placed them.

We chose those 3 items for the filter design because

Summary

9. We believe our filter MATERIALS (circle A or B )
**A. did** a good job removing the dirt

**B. did NOT** do a good job removing the dirt

We believe this because

- [ ]
- [ ]
- [ ]

10. We found that filters need

- [ ]
- [ ]
- [ ]

11. If we could make our filter again, we would

- [ ]
- [ ]
- [ ]