

PREDICT

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

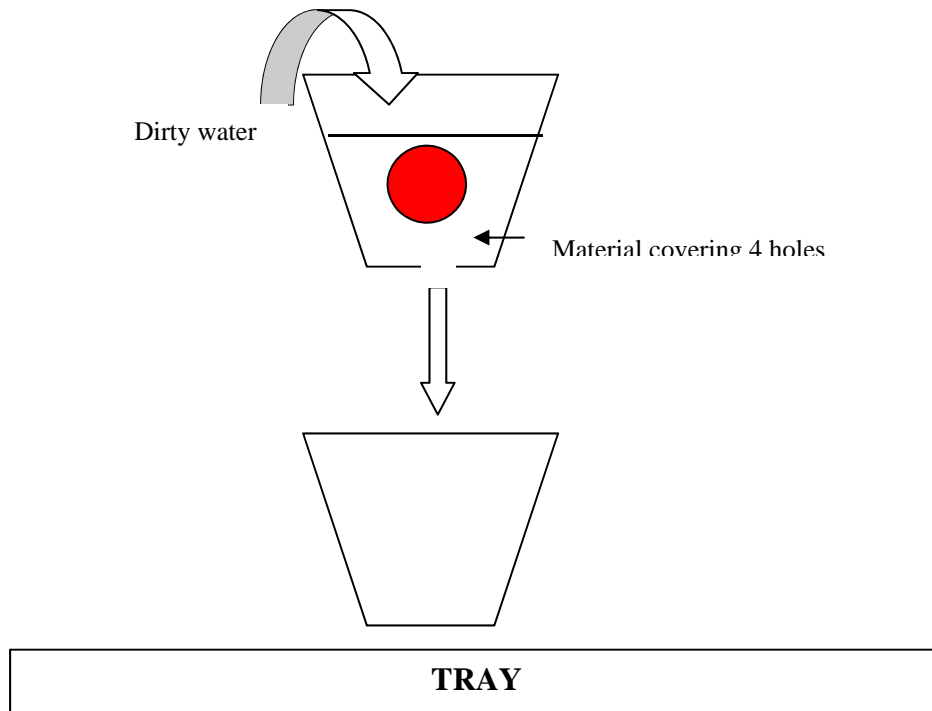
Which material would remove the **LEAST** soil?

MATERIAL

Sand
Cotton ball
Sponge
Coffee filter
Small pebbles
Medium rocks
Newspaper
Net
Paper towel
Shelf paper
Gauze

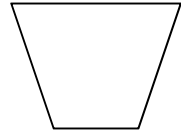
TEST

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.

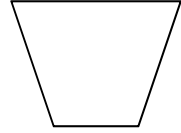


After the water has drained into the bottom clear cup, describe and draw what you observe in the bottom clear cup?

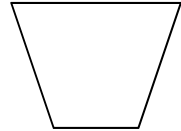
sand _____



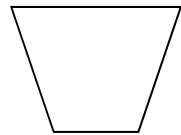
cotton ball _____



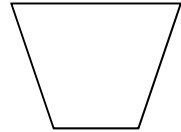
sponge _____



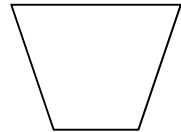
coffee filter _____



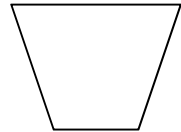
small pebbles _____



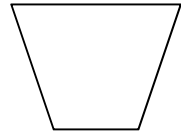
medium rocks _____



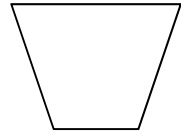
newspaper _____



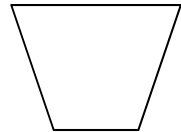
net _____



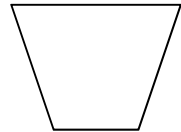
paper towel _____



shelf paper _____

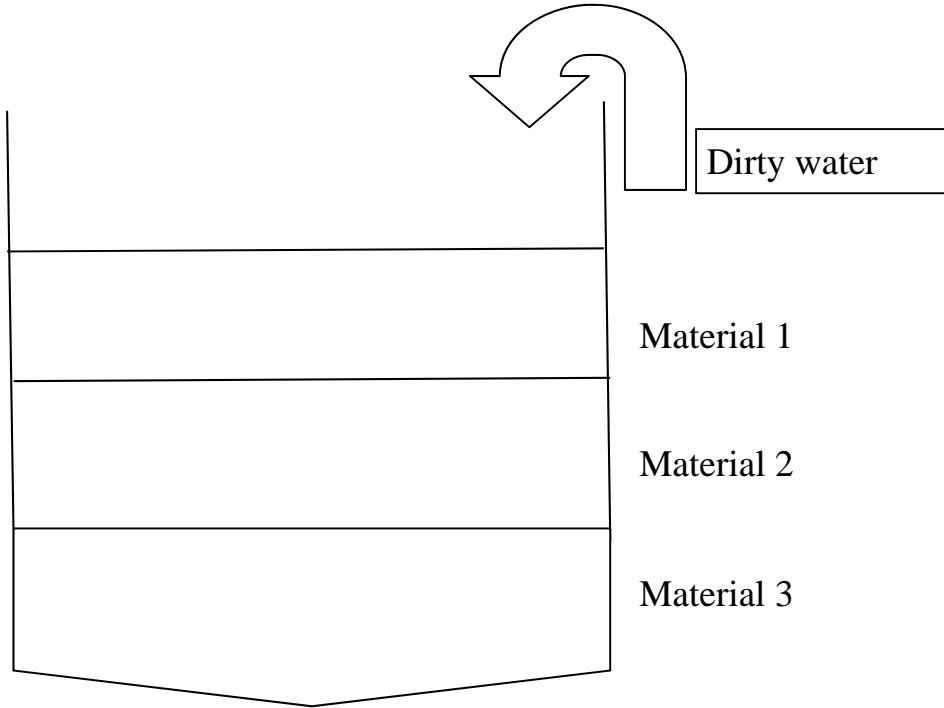


gauze _____



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 _____

