

Name _____

HOW TO FILTER WATER



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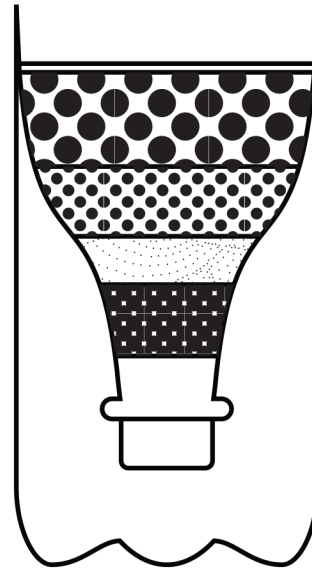
LET'S DISCUSS

1. Where does water come from?
2. Why is it important to have clean freshwater?
3. What type of water do we drink?
4. What type of water covers most of the planet?
5. How can you filter out dirty water?

LET'S MAKE A WATER FILTER!

Materials:

- ☐ Soda bottle cut near the top
- ☐ Coffee filter
- ☐ Large rocks
- ☐ Small rocks
- ☐ Sand
- ☐ Dirt
- ☐ Cotton balls
- ☐ Paper towel
- ☐ "Dirty" water- can be made by adding materials to water such as dirt, grass clippings or leaves, vegetable oil, coffee grounds, shredded paper, etc.



Try to see who can get the cleanest water in the class by pouring the "dirty water" into the students' soda bottle filter to see which filtration process works best.



FURTHER DISCUSS

1. Which combination works the best to filter out the water?
2. How can the Farmstand help provide plants with clean water?

EXIT TICKET

Vote by having students walk to either side of the room. One side of the room if students think it is easier to filter water, and the other side of the room for students thinking it is easier to keep it clean in the first place. Ask for a few students to share their feelings on why they are standing on each side.

“How To Filter Water”

Suggested Answer Key For Teachers

1. Surface water (think lakes and rivers) and groundwater (the water present beneath Earth's surface in rock and soil).
2. We need freshwater to drink, to cook with, and to clean.
3. Fresh water.
4. Salt water.
5. There are many ways but a couple of examples include boiling and filtration

Further Discussion Answer Key:

1. Results of the experiment will determine the best filter.
2. Did you know it takes less than one gallon of water to grow a whole salad with the Farmstand? A regular farm would use 21 gallons to grow the same salad!



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