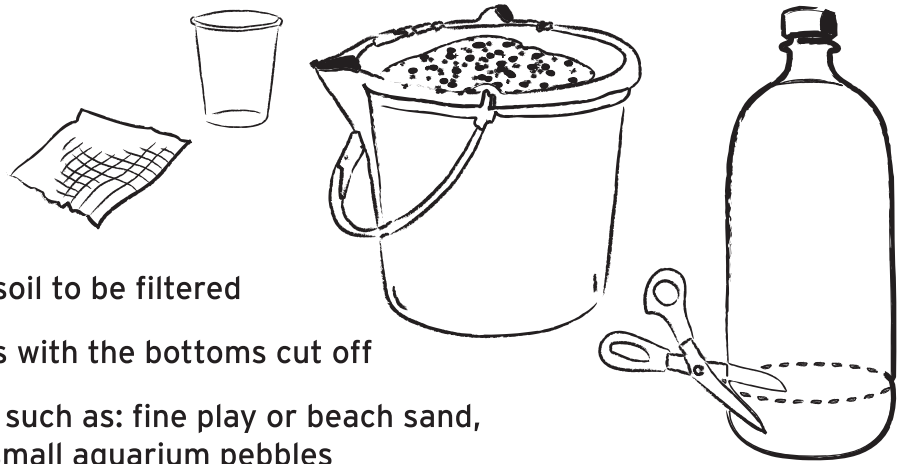




# Water Filtration Activity

## You Will Need:

- Ruler
- Rubber bands
- Clear plastic cups
- Water mixed with soil to be filtered
- 2 liter soda bottles with the bottoms cut off
- Filtering elements such as: fine play or beach sand, coarse sand, and small aquarium pebbles
- Filter nets, cut thin screen mesh the size of 2" by 2" (or a piece of cheese cloth)



## Water Filtration Directions:

Step 1. Place filter nets on top of the mouth of the bottle and secure with rubber band.



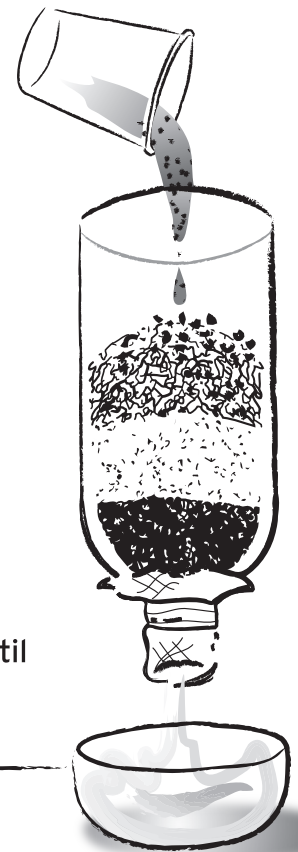
Step 2. Flip water bottle upside down and pour in 3 inches of aquarium pebbles, 2 inches of coarse sand, 2 inches of fine sand. Students can use a combination of one, two, or a combination of all the materials.



Step 3. In a separate cup mix water with soil to create "dirty water" that later will be filtered.



Step 4. While holding the water bottle over a clear cup, pour the "dirty water" into the bottom of the water bottle a number of times until the dirty water becomes clear.



## Follow-Up Questions:

1. Describe what happened to the dirty water as it was poured through the filter.
2. Why is it important to filter run-off water before it goes into our streams and oceans?