



FILTER YOUR WATER

SUPPLIES:

Plastic Cup with small holes in the bottom [or a kitchen sieve or strainer]

Plastic Cup [or other clear container that will hold water]

Coffee Filter [or tight-woven kitchen towel]

Just a reminder, this is an experiment to show how filters work. A coffee filter will NOT remove actual bacteria from dirty water. Please do NOT drink filtered water.

INSTRUCTIONS:

1. Take one of your plastic cups and make several small holes in the bottom of the cup. [If you don't have plastic cups, find a small sieve or strainer. This top container needs to distribute the water poured into the filter so that the membrane isn't overwhelmed by the stream of water poured directly on to it.]
2. Build your filter by placing your second plastic cup on the table, adding your membrane filter on top of the cup, then placing your plastic cup with holes or sieve on top.
3. Carefully pour your dirty water* into the top of your filter. Watch as your membrane filter removes contaminants from your water!

NOTES:

*If you don't have dirty water collected from your walk for water, collect leaves and dirt from outside to make dirty water for your experiment. If you're unable to go outside, you can make leaves and dirt from paper and/or glitter to show how they are removed by the membrane filter.