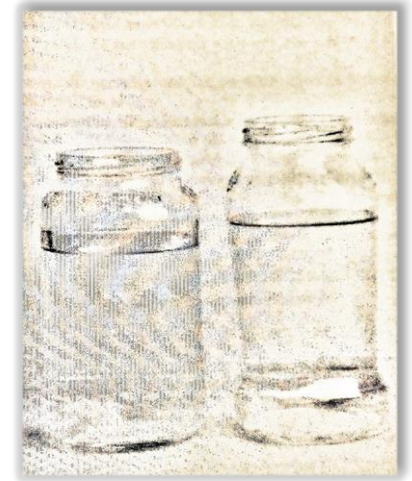


Experiment title: Water Pollution: can you see it?

Grades: Kindergarten- 3rd grade



Explore the effects of water pollution on the environment. Is our water polluted? Gather some samples arm yourself with coffee filters and find out.

Research: You will want to study water pollution and the different ways that water can become polluted to form your hypothesis before you start your experiment.

Hint a good hypothesis may be which source of water you believe will be the cleanest and why.

Material list:

- 4 large jars clean jars
- 4 large wide mouth jars
- Masking tape
- Marker
- Cone shaped paper coffee filters
- Magnifying glass

Procedure:

1. Using the four large jars, collect samples of water from four different sources. Good sources to use might be: tap water, bottled water, rain water, and water from a creek pond or river. Please be care when collecting water from your source.
2. Using the masking tape and a marker, label each jar so that you will be able to easily identify the source of water.
3. Fit the coffee filters just inside of the large wide mouth jars.
4. Take one of the water samples, and slowly pour the water through the filter into the other jar. Repeat for each water sample. Don't forget to label the filters and new jars, so they don't get mixed up.
5. Open each filter and examine it through the magnifying glass. Which filter is the most discolored which filter had the most particles? Did any of the samples leave a colored residue on the filter? (Taking pictures of the filters will be great to use on your display.) Note your observation to make your charts, you can chart your results on cleanliness based on amount of particles on filters.
6. Remember to repeat at least 3 time for precise results.
7. Think about the different ways that water may become polluted this thoughts will become part of your conclusion.

