Water

Worksheet 5

Make a water filter: Jigsaw reading activity!

* Look at this fun science experiment taken from: <https://kids.nationalgeographic.com/explore/books/how-things-work/water-wonders/>. It shows how you can turn dirty water clean. (Kind of).
* The first part is correct, but the boxes with the instructions have been mixed up. Each pair of students will be randomly given one step of the process and there will be some assistants that will help all the pairs. You can stand up, read your text to the other pairs and find out which steps come before which. When you decide about the correct order, form a line with the help of the assistants.
* The first pair, will approach your teacher, give her the cards and help her with this phase of the experiment. If you have guessed the order correctly, the experiment will be successful.
* If you have not guessed correctly, the experiment will fail! Don’t worry however! Adjustments can be made with the help of your teacher.

How do you clean up dirty water?

Not with soap! You need a filter, a device that removes impurities, like dirt, from water. The filter you’ll make here—with the help of an adult—is a super strainer, and it’ll help you clean up your act.

### YOU WILL NEED

* 2-liter plastic bottle, empty and clean
* Utility knife
* Dirty water (make your own with stuff like coffee grounds, dirt, crunched-up old leaves, cooking oil, or tiny pieces of foam)
* Measuring cup
* Spoon
* Stopwatch or clock with a second hand
* Pencil and paper
* As many of the following filter materials as you can get: activated charcoal (available in the fish section at a pet store), gravel, sand (coarse and / or fine), cotton balls
* Coffee filter (A bandanna, old sock, napkin, or paper towel works too!)





  