

Year 5 water filtration

What you will need

Cotton wool balls
Clear glass jar
Plastic bottle
Sand
Charcoal (if you have it)
Gravel

Activity

First, collect some dirty muddy water with grass, soil and stones in a bucket or small container.

Next, ask an adult to help you cut the bottom off the plastic bottle about 3/4 from the bottle top.

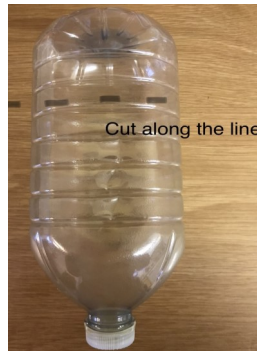
Then put cotton wool in the bottle (lid end) about 4—5cm

After that put 2cm of sand onto the cotton wool.

Next put some small charcoal pieces if you have them.

Then put a 3—4cm of gravel on top of the charcoal.

Great Job! You have made your filtration system.



Filtering your dirty muddy water

First take the bottle top off the bottle.

Next put the bottle nozzle into the clear glass jar.

Then, Slowly pour the dirty water into the top of your filter system (over the gravel/pebbles) and watch the water trickle through. You may have to filter the water a few times through your filter.

DO NOT DRINK THE WATER!

Extension activity—

You will need an adult to assist you with this activity.

How to make Simple Flat Bread

Ingredients

1 mug of plain flour garlic butter or butter mixed with a little garlic powder

Enough water to turn the mix into dough

Instructions

1. First, wash your hands thoroughly with soap and water.

2. Measure out the ingredients from the list above and stir until you have a dough mixture

3. When you have your dough, make small balls (4) from your dough and then press into a flat circle. If it looks too wet and is sticking to everything, add more flour. If it is dry and crumbly, pop back in the bowl and add a few more drops of water until it looks smooth.

4. Spread the garlic butter onto one side of the bread.

5. With help from an adult, heat up the baking tray in the oven and add a dash of oil. You don't really want a lot of oil in there, just enough to stop the bread from sticking.

6. Cook each flatbread for a couple minutes, until the dough puffs up with fat bubbles and the bottom looks golden brown in places. Flip over and cook the other side.

Make sure you have an adult supervising this activity at all times. Always use oven gloves when taking things in and out of the oven.

Enjoy your activity!

Which ingredients under went a reversible change?

How many ingredients under went an irreversible change? List them.

I would love to see some photographs of your flat bread. Please send them to the email below.

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