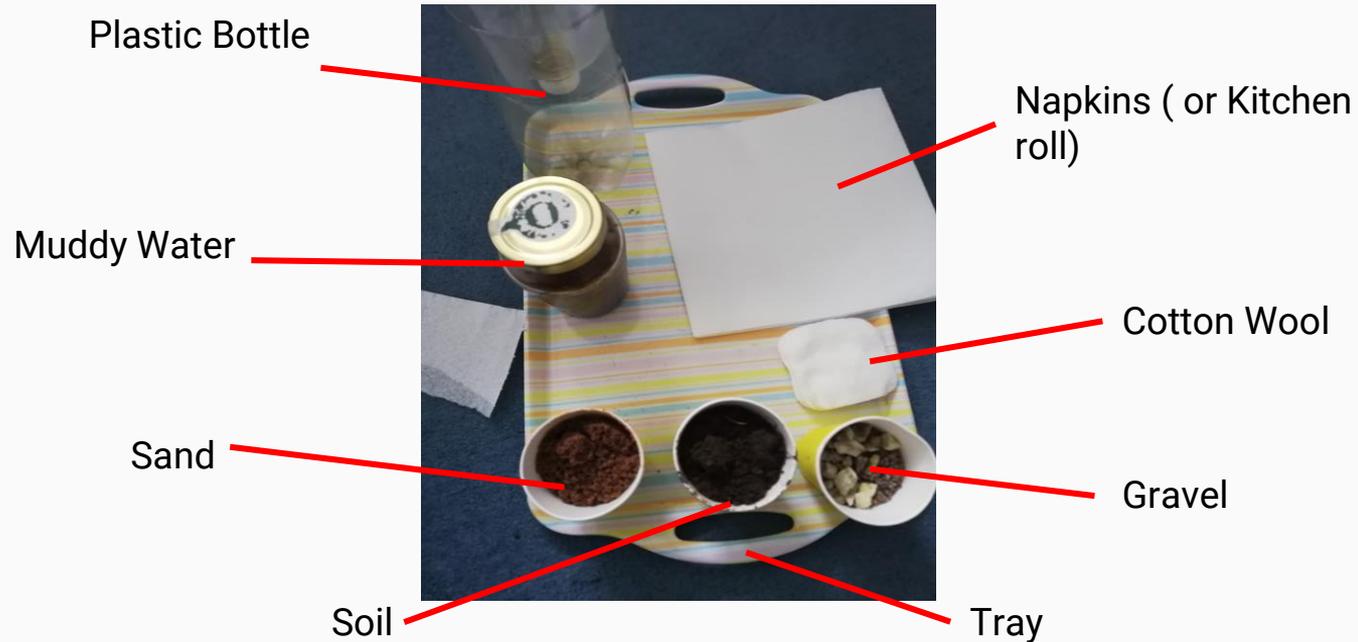# Water filters

Community impact + environment

Why is clean water an issue?

- Lots of people don't have access to clean water
    - 1.1 billion people don't have access to clean water
    - 2.7 billion experience water scarcity (don't have enough water) one month per year
- Drinking water needs to be clean for us to be safe
- Dirty water can have harmful chemicals, bugs and dirt in that can make us ill

Making a water filter

Plastic Bottle

Napkins (or Kitchen roll)

Muddy Water

Cotton Wool

Sand

Gravel

Soil

Tray

Cut the bottle if you haven't already (parents)

- Once you've cut it put the top part upside down in the other
- Make sure you ask a parent because this is a little bit tricky

Start to layer the different things

I did:

- Cotton wool pads
- Kitchen roll
- Soil
- Sand
- Gravel

But you can try different combinations!!

Pour your muddy water in and see if it works!!

Mine kind of worked, if I put the water through again it would be more clean

Once you have clean water you can use water purification tablets to get rid of any nasty bacteria