

How hard is it to filter water ?

You will need :

- An empty 2 litre plastic bottle
- Sand
- Pebbles
- Muddy water in a jug or another bottle.
- Other materials to use as a filter, such as charcoal, grass, etc.
- cotton wool
- kitchen roll

Equipment needed :

- A pair of scissors or sharp knife *(To be used by an adult.)*

Instructions :

- 1) Cut the bottom of the bottle off, around 8cm high; making a small pot for collecting the cleaner water. You may need to remove lid to help with cutting, if using scissors.
- 2) Leave the lid on the bottle, and start filling the bottle up with the pebbles and sand. You could also use other materials, such as charcoal, vegetation, cotton wool, kitchen roll, etc. But check with a adult first.
- 3) Tip the muddy water into the open end of the bottle.
- 4) Undo the lid, holding the bottle over the cut off part.
- 5) Watch the water come through, making sure it all goes in.
- 6) Compare the water in the pot with the muddy water you started off with.

