



I Learn, I Act, I Share

BUILD YOUR OWN WATER FILTER

LEARNING FOR A
Life With Allah

So far, in this book, we have learnt about the importance of water: how every living creature depends on it to survive, how we need it to clean our bodies, clothes, and environment, and how we use it several times a day for wudu.

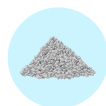
Here, you'll learn how to create a water filter to make muddy water cleaner using simple materials. You can try this at home or with your class.

If you do this as a class activity, you'll work in pairs or groups. Once everyone finishes, we will observe each group's filtered water and grade it on a scale from 1 (very unclean) to 5 (very clean).

What You'll Need



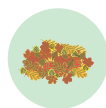
Muddy water
(provided by the teacher)



Smaller rocks or
gravel



A clear plastic bottle



Leaves (optional)



Scissors or knife (to cut the bottle)



Sand



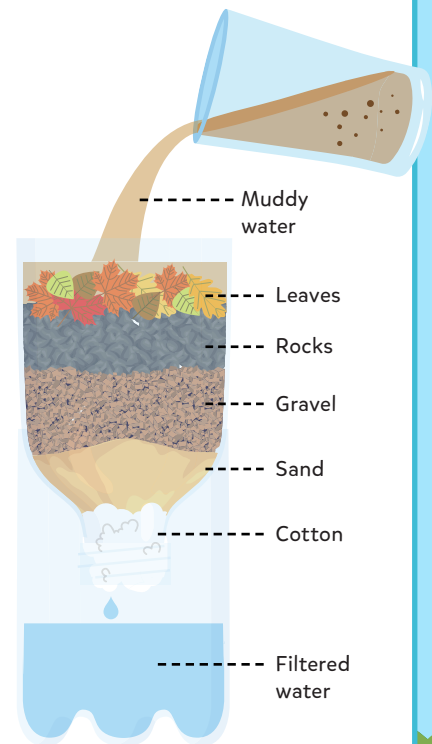
Larger rocks or pebbles



Cotton

Method

1. Carefully cut the plastic bottle in half using scissors or a knife. Ask for help if needed!
2. Take the top half of the bottle and flip it so the mouth of the bottle is facing downwards, then place it inside the bottom half of the bottle.
3. Start by placing cotton wool into the neck of the bottle. This will act as the first filter to catch tiny particles.
4. Next, add a layer of sand on top of the cotton.
5. Then, add a layer of smaller rocks or gravel.
6. Now, add a layer of larger rocks or pebbles.
7. Finally, cover the top of your filter with leaves for extra filtering (optional).



Now it's time to test your filter!

Slowly pour the muddy water over the top of your filter. Watch as the water trickles down through the layers—slower filtering usually means cleaner water!

Is the water that came out cleaner than the muddy water?

How do you think each layer helped to filter the water?

What can you do to make your filter better next time?

This activity reminds us that clean water is a precious gift from Allah. Let us always be mindful of how we use it and grateful to Allah for it.