

WORLD-BEATING WATER



The UK has some of the best quality water in the world and at Bristol Water we make sure every drop you get from your tap is tip-top!



Water sorter!

Follow our 7-step water treatment process and learn lots of new words!

Step 1

Our water treatment starts with **screening** – this is where we take out large solid objects like stones.

Step 2

Next step is **ozonation** where we change dissolved things like metals into particles that we can later stick together.

Step 5

Now it's on to **filtration** which gets rid of any remaining bits and makes the water look clean and sparkling...

Step 4

Next up, particles and colour are removed in a process called **clarification**.

Step 3

We then carry out **coagulation** and **flocculation**, which sticks smaller solids together to make larger ones so we can remove them.

Step 6

... followed by a burst of **ultraviolet irradiation** to zap any harmful organisms (a fancy word for bugs and bacteria).

Step 7

And finally, it's **chlorination** which is where we add tiny amounts of chlorine to kill off any remaining nasties and protect the water on its journey to you. Now, who fancies a nice crisp glass of Bristol Water?



DIY filtration

Hi, I'm Professor H₂O and I'm going to teach you how to filter water. Follow me...

You will need:

- ✓ Dirty water (you can mix mud with water, just make sure to wash your hands after)
- ✓ A jug
- ✓ A funnel
- ✓ Paper towel or muslin cloth
- ✓ An empty bottle or container
- ✓ Sand (if you can)
- ✓ Stones



Step 1: Place the paper towel or muslin cloth into the funnel then pop the funnel into the bottle.

Step 2: Fill up your jug with dirty water and slowly pour the water into the funnel, making sure it runs through the paper towel or muslin cloth.

Step 3: Take a look at the water in the bottle. Does it look cleaner?

Step 4: Take a look at the paper towel or muslin cloth. Does that look dirty?

Step 5: Add sand to your water, replace the paper towel or muslin cloth and repeat the experiment. Then do it again with stones.

Which leaves you with the cleanest water? Why do you think that is?

Important! Please don't drink the water afterwards as dirty water can make you very ill.

Can you spot our underwater heroes Squidge and Snap in our treatment process? When would they be removed?

