

NI Water have a network of around 16,500km of sewers.

Unfortunately, every day people are putting the wrong thing down the toilet and sinks. You'd be surprised what we find in our sewers - nappies, wipes, false teeth and even teddy bears!

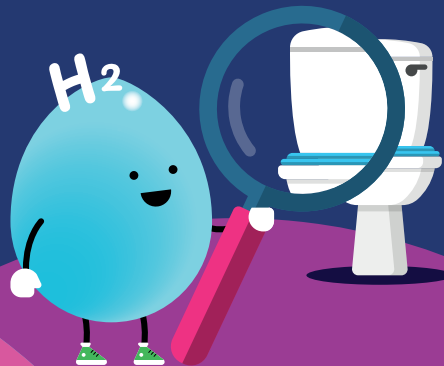
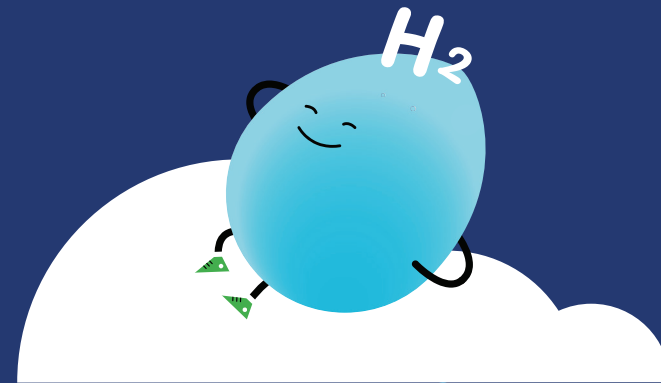
These items don't break up and block the pipes and sewers, which can cause flooding and pollution of the environment.

Remember the only things that should be flushed are the **3Ps** - **PEE**, **POO** and **PAPER**.

Can you solve the mystery of the blocked sewer?

Visit www.niwater.com/bag-it-and-bin-it/ to download our sewer detective mission pack to solve the mystery.

The Amazing Cycle of Water



The Amazing Cycle of Water

- The seas and oceans hold 97% of the world's water and are salty.
- 2% is frozen in the polar ice-caps.
- 1% is liquid freshwater and provides all the water we use.
- This includes all the water in lakes, rivers, the atmosphere and underground.

The Water Cycle

- There is a never ending supply of water through a natural process called the water cycle.
- Just like a bicycle wheel, the water cycle has no beginning and no end. It has been the same since time began.
- Thanks to the water cycle, water doesn't get used up – it simply goes round and round!
- This water or hydrological cycle has to be used sensibly by humans to meet our needs.

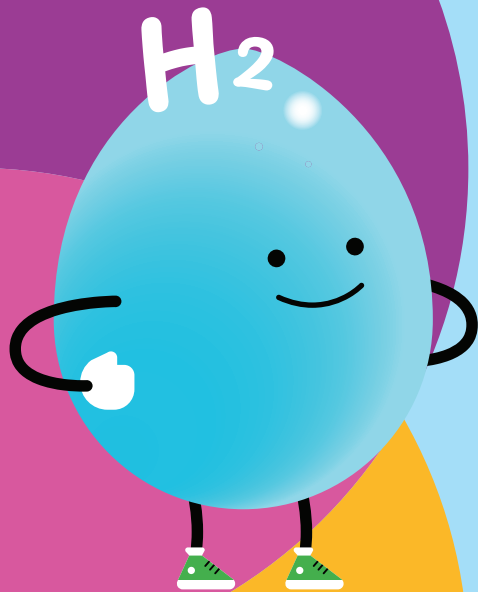
Supply and Demand

The rise in population, the building of new towns and industry, and leisure activities means a greater need for water.

We each use approximately 170 litres of clean treated water every day for washing, cooking, drinking, watering the garden, etc. Currently Northern Ireland Water supplies around 605 million litres of water each day.

Use Water Wisely

The treatment, distribution and disposal of water are expensive and affect the environment. Therefore, we all need to use water wisely. Visit our online water audit at www.getwaterfit.co.uk to find out how much water your family uses everyday and to receive free water saving goodies to help look after this precious resource.



1 Cloud Storage / Rain

When clouds blow across the land and the temperature drops, vapour forms into droplets, which fall back on the land as rain, snow or hail.

Rain:

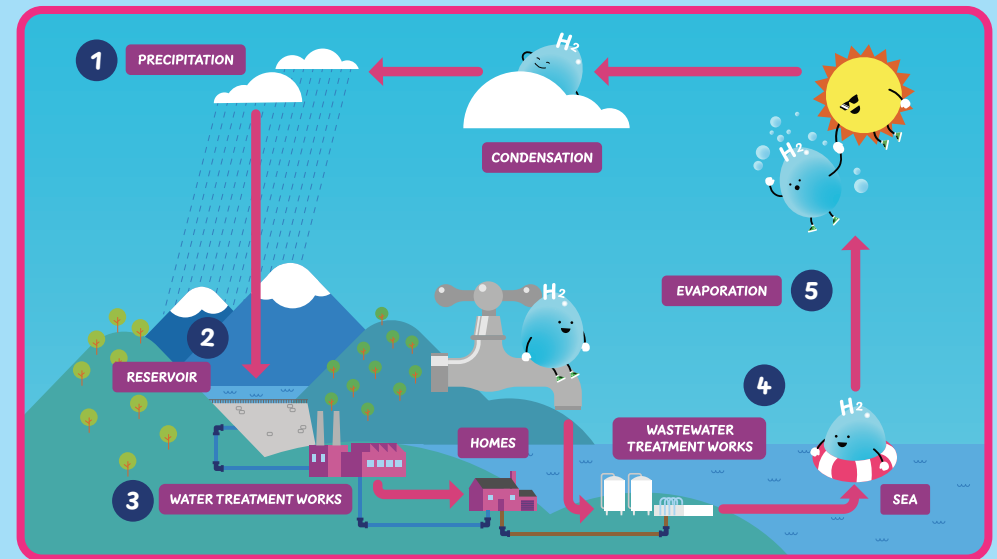
- finds its way to streams, lakes and rivers;
- can pass through porous ground such as chalk to form aquifers; or
- can be trapped in man-made reservoirs.

2 Reservoir

The reservoirs, rivers, lakes and aquifers are the sources of water we use at home and at work.

3 Water Treatment Works

Northern Ireland Water enters this natural cycle and makes sure that the water we use is clean and safe. This is done at a Water Treatment Works, where it is filtered and bacteria is removed. The water is then supplied through a network of pipes to homes, schools, factories and to all other users.



4 Wastewater Treatment Works

Used water from our showers, washing machines, sinks, toilets and rain that runs into the sewers, is called wastewater. Before it is put back into the sea it has to be cleaned. This happens at a Wastewater Treatment Works.

5 Evaporation

When the sun shines on the seas, rivers and lakes it turns some of the water into water vapour (gas). This is called evaporation. This gas rises to the sky; it cools again to forms clouds (condensation) and turns to rain.