

# Lesson 7 -Cleaning used water

### Before you start this session, please:

- Print Session Information sheet
- Print Activity sheets 7:1 and 7:2
- Print Supporting Information sheets 7:1 and 7:2
- Make sure you have access to the internet so that you can watch video clips on YouTube.
- Collect a pencil or pen to complete the activities in this lesson.



## **Cleaning used water**

## Let's get started

In earlier lessons you found out how water from the environment is cleaned and gets to your home so that you can have fresh, safe drinking water, so let's look at what happens to the water we have used.

Think of the ways that you use water (you did this in Lesson 3). What is the water we have used called? What happens when you pull the plug out of the sink? Where does the shower water and the water used to flush the toilet go?

Watch the video clip <u>Down the Drain</u> in the Education Playlist to see how the used water gets from your home to an Anglian Water recycling centre.

### What can you remember?

What is the name of the pipes that take the used water from your home to the Water Recycling Centre? What makes the water move along? What does Anglian Water have to use if the land is very flat to keep the sewage moving?

## What happens at the Water Recycling Centre?

Watch the video clip <u>Water Recycling</u> in the Education Playlist to see how Anglian Water cleans the water you have used.

Don't worry if you can't see the video, take a look at Supporting Information sheet 7:1.

Using the information from the video and/or from Supporting Information sheet 7:1, label the parts of the water recycling process on Activity sheet 7:1.

#### Investigating microscopic helpers:

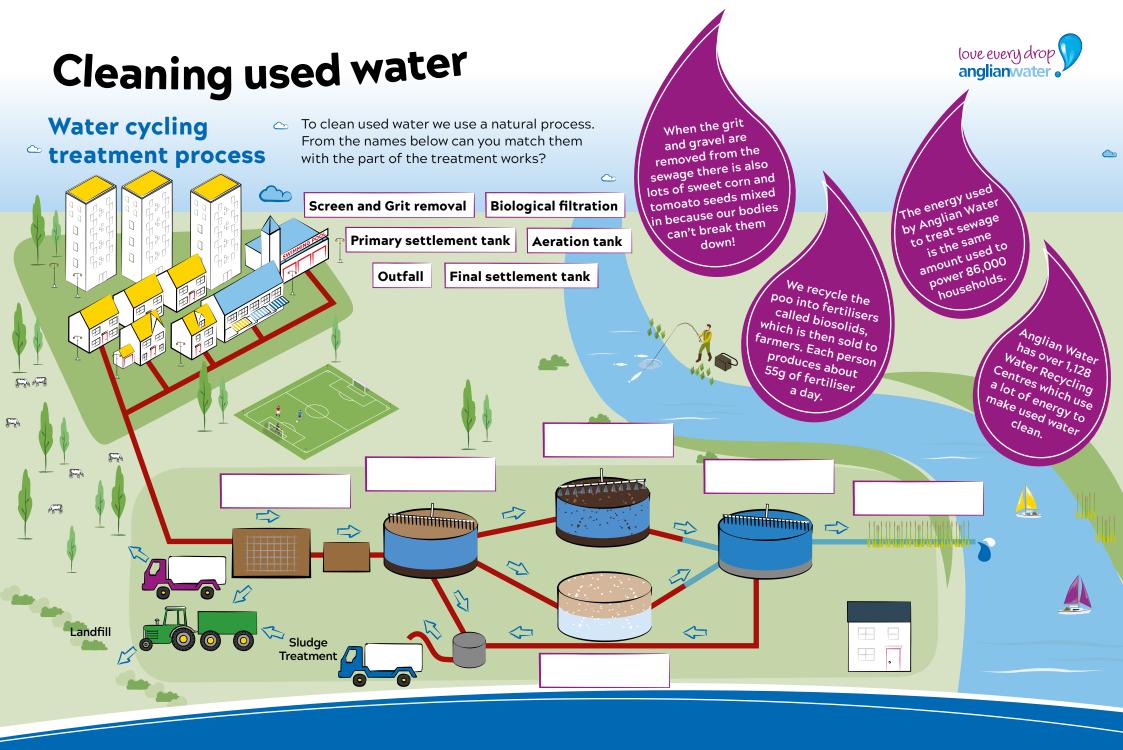
Watch the video <u>Micro-organisms</u> on the Education Playlist to learn about the microscopic creatures (friendly bacteria) that help Anglian Water to clean the sewage.

If you cannot access the video, use Supporting Information sheet 7:2 and name the micro-organisms on Activity sheet 7:2.



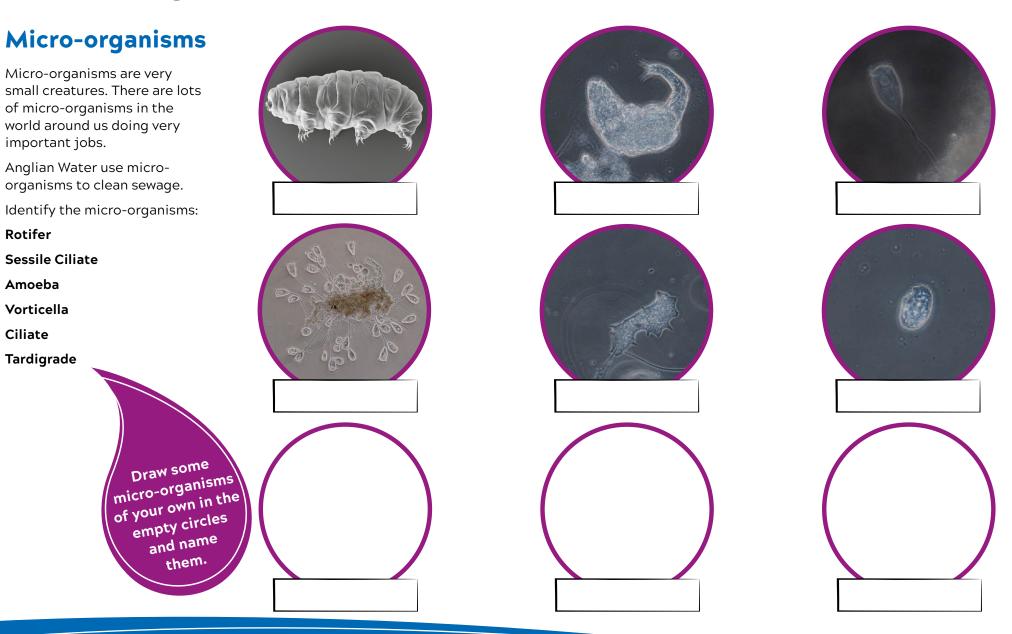
Make your own micro-organism out of things you have at home, recycling, modelling clay, Lego, etc. Make sure your micro-organism is detailed and can be recognised.

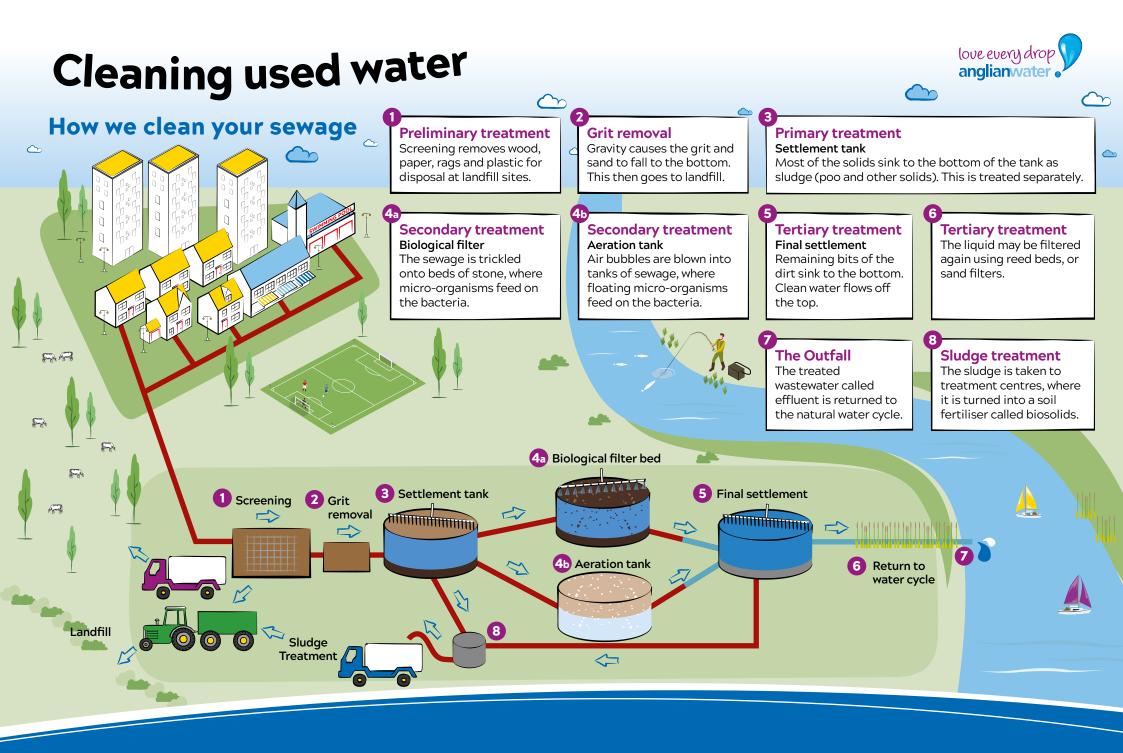
**Tardigrades** - can you find out what makes these tiny creatures the toughest on the planet? Get your grownup to share your micro-organisms with us at **Education@anglianwater.co.uk** 



## Cleaning used water







Supporting Information sheet 7:1

## Cleaning used water



## The micro-organisms that help us clean the sewage

Use this sheet to complete Activity sheet 7:2 and to help you create your model micro-organism. Look carefully and make sure your model is detailed.

