



YorkshireWater

# HOW WE USE THE WATER CYCLE



**1** **Evaporation**  
The sun heats up water and makes it evaporate and rise into the air as water vapour. That's why puddles disappear on a hot day.



**2** **Condensation**  
As the water vapour rises, it cools and condenses to form water droplets. Clouds are formed when water droplets and pieces of dust join together.



**3** **Precipitation**  
The water falls back to Earth as rain, sleet, snow or hail. The word "precipitation" comes from Latin and means "falling".



**4** **Sources of water**  
Yorkshire Water takes water from rivers and from wells called boreholes. It also stores water in huge artificial lakes called reservoirs.



**5** **Water Treatment Works**  
Water needs to be treated to make it safe to drink. At the water treatment works the "baddies" are removed from the water.



**6** **Piping in and out**  
Water comes to your house through pipes called mains. When you have used the water, it goes into another set of pipes called sewers.



**7** **Sewage Treatment Works**  
The dirty water (called sewage) needs to be treated to remove other "baddies" before it is safe to be returned to the water cycle.



**8** **The cycle goes on**  
Once the dirty water has been cleaned, it goes back to a river and flows out to sea - where the water cycle begins all over again.

