

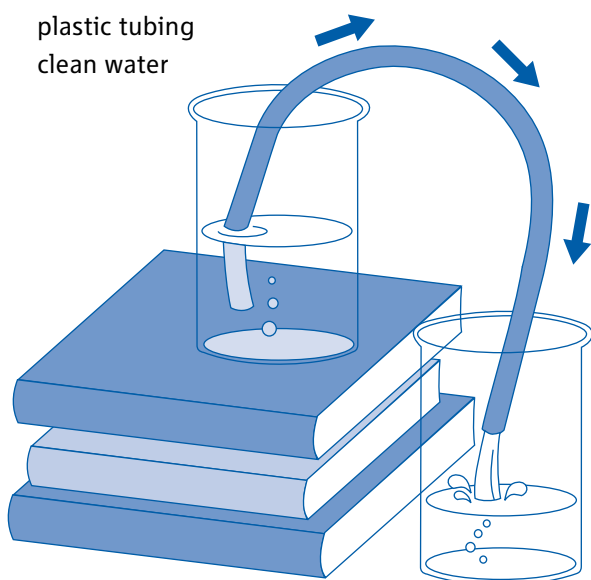
# Water in Your Home

## Activity 1

### Moving water with a siphon

You will need:

- 2 beakers
- plastic tubing
- clean water



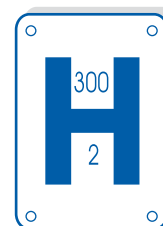
1. Fill one beaker with water and put it somewhere it is higher than the other.
2. Put the plastic tubing into the beaker of water.
3. If you suck water through the tubing to start it flowing, it will continue to flow until the top beaker is empty and the bottom one is full.
4. Time how long it takes.
5. Now put the top beaker at a different height and repeat the experiment.

When you flush the toilet you empty water from the toilet cistern. Gravity makes water from your cold water tank refill the cistern. You don't have to turn a tap on and off to do this.

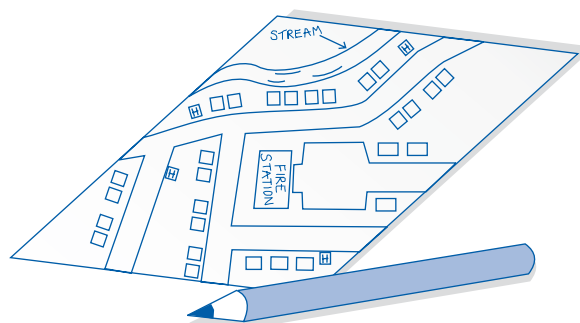
- Can you find out what stops the cistern overflowing?

## Activity 2

You will often see yellow and black plates by the side of the road. These show where the water main runs. The letter "H" stand for "hydrant" (a place where fire fighters can connect their hoses to the water supply) and the figures show the size of the main in millimetres and the distance in metres from the marker plate to the hydrant.



- How many of these plates can you find near your home? (Take care if you are going out into the street on your own!)



Make a map of the area near your home or school. Mark on it the hydrants you have found, plus any other sources of water which fire fighters could use. Find out how far away your nearest fire station is, and mark that on your map.