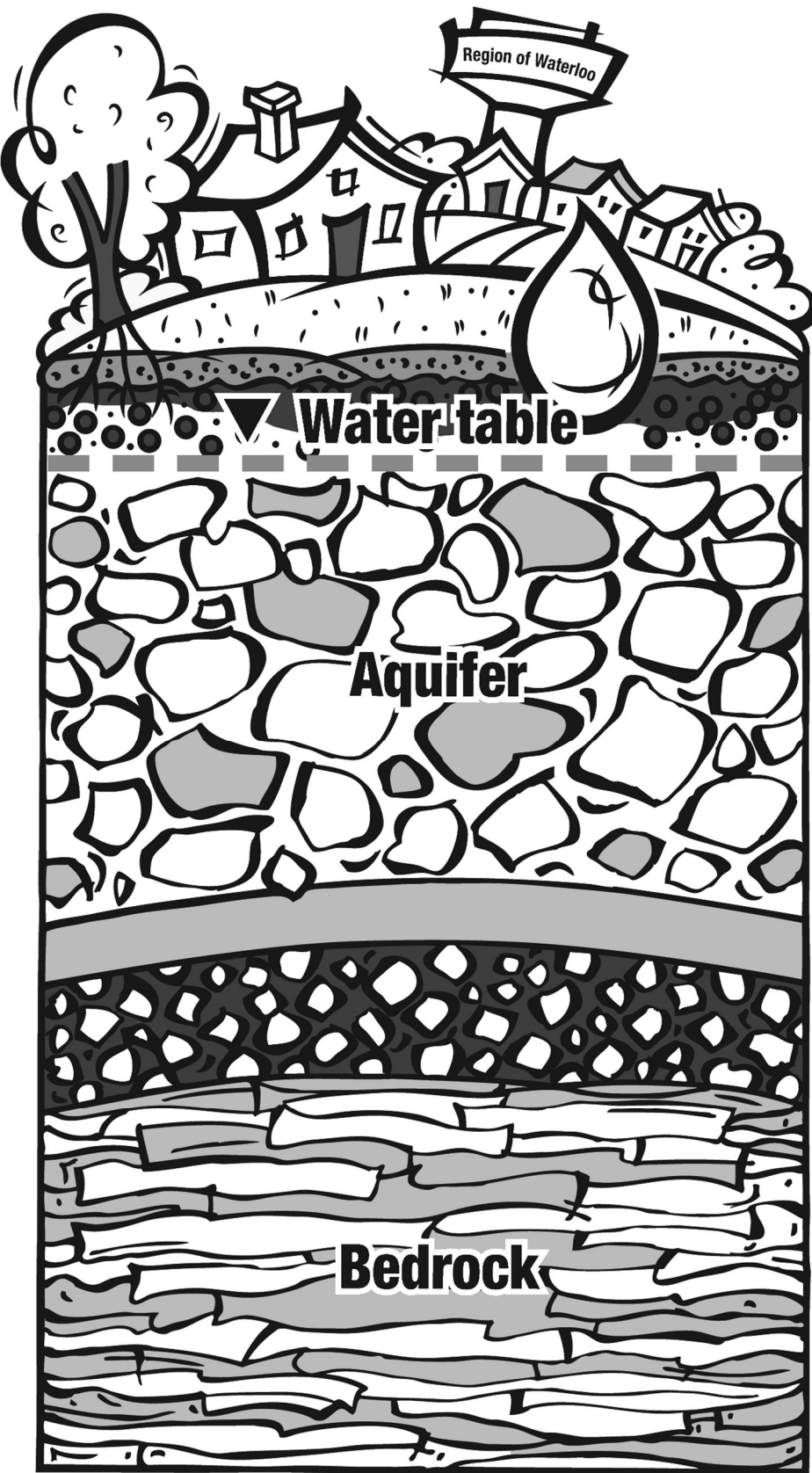


Water fun



Fun facts about water

1. Region of Waterloo collects and treats about 150 million litres of water every day.
2. Our drinking water starts as groundwater or water from the Grand River.
3. 120+ supply wells throughout Waterloo Region collect the groundwater. A municipal supply well can be 30 to 90 metres deep and can pump up to 100 litres every second.
4. Water from the Grand River is treated at the Mannheim Water Treatment Plant. The plant can treat 500 to 840 litres every second.
5. Water towers help to maintain pressure in the distribution system and provide additional storage of treated drinking water.
6. Every day the Region of Waterloo collects and tests water samples throughout the distribution system to make sure municipal tap water is clean and safe to drink.



Make an ice cream treat

We rely on groundwater for our drinking water. You can find groundwater deep underground in an aquifer. An aquifer has many layers of materials such as sand, rock, clay and gravel. When it rains, the water soaks into the ground to fill up the spaces between these materials. This is groundwater!

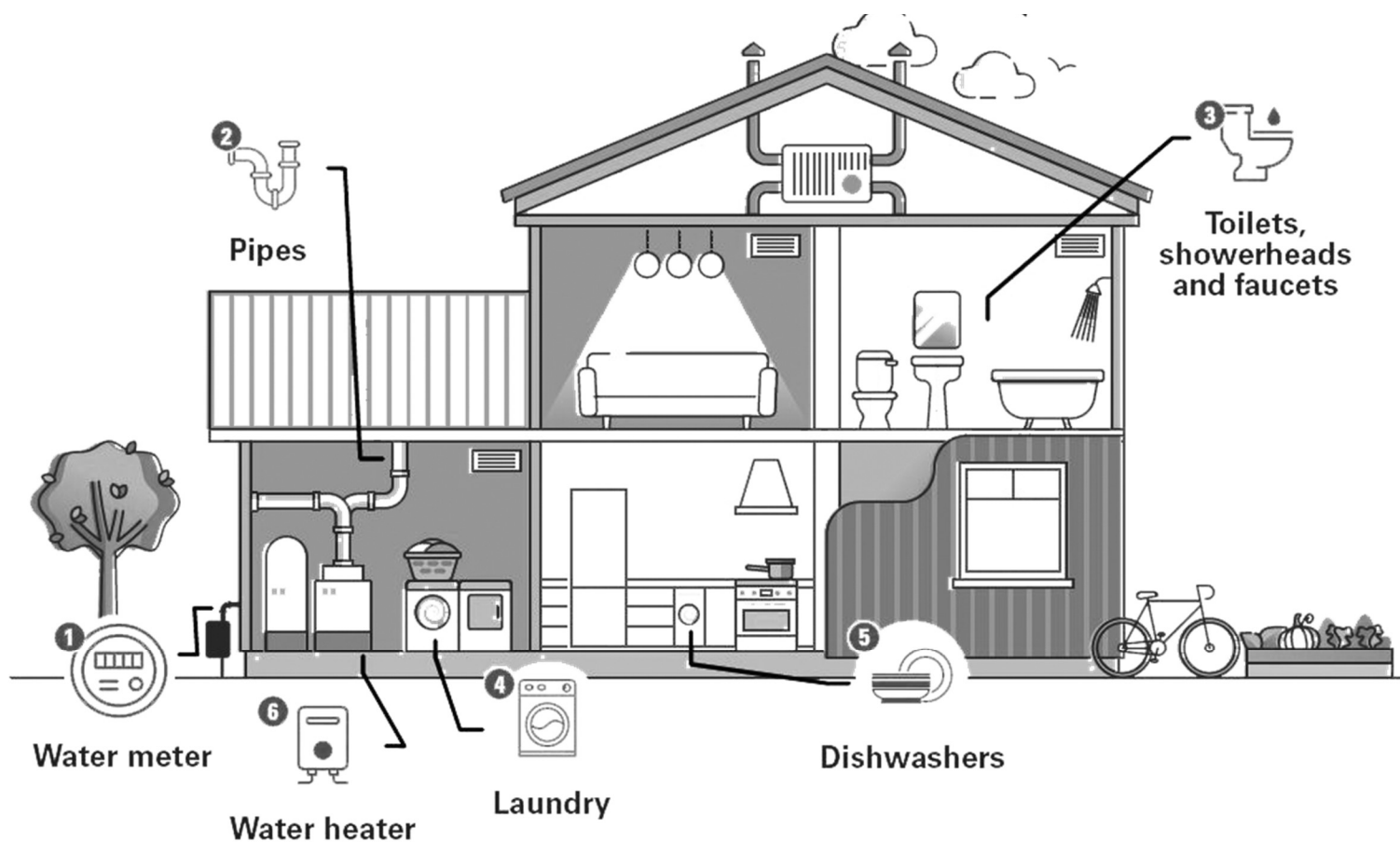
Make your own groundwater aquifer. Start with a glass cup and follow these instructions.

1. Create a layer of crushed ice, gummy bears and chocolate chips on the bottom. This represents the sand and gravel that make up the aquifer.
2. Cover the first layer with lemon-lime soda. This is the rain in the aquifer.
3. Add ice cream that represents a layer of clay.
4. Optional: add a layer of crushed ice to represent the unsaturated zone.
5. Finally, scatter chocolate sprinkles on top to represent the soil.
6. Using a straw, "drill" a well into the centre of your aquifer.
7. "Pump the well" by slowly sucking on the straw.

Enjoy drinking this tasty aquifer ice cream treat!



What can you do to use less water at home?



Can you find the water words?



- ICE
- THIRSTY
- GROUNDWATER
- SNOW
- RAIN
- RIVER
- CLOUD
- SWIM
- WELL
- AQUIFER

Be good to your water

We rely on groundwater for our drinking water. We also use it for cooking, washing, and so much more. Help protect and conserve this important resource.

I will help look after water by:

