



This comic is the fourth in a series of comic books created by First Nations Technical Services Advisory Group to teach students in grade 3-6 about the Superheroes that make and keep our water safe to use.

PDF copies of this booklet and other educational materials are available from TSAG.

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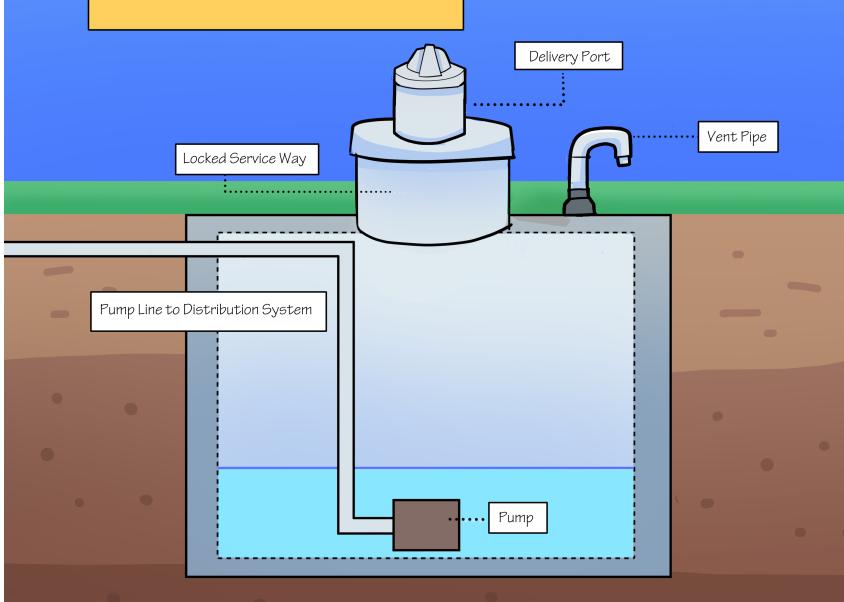


What is a Cistern?

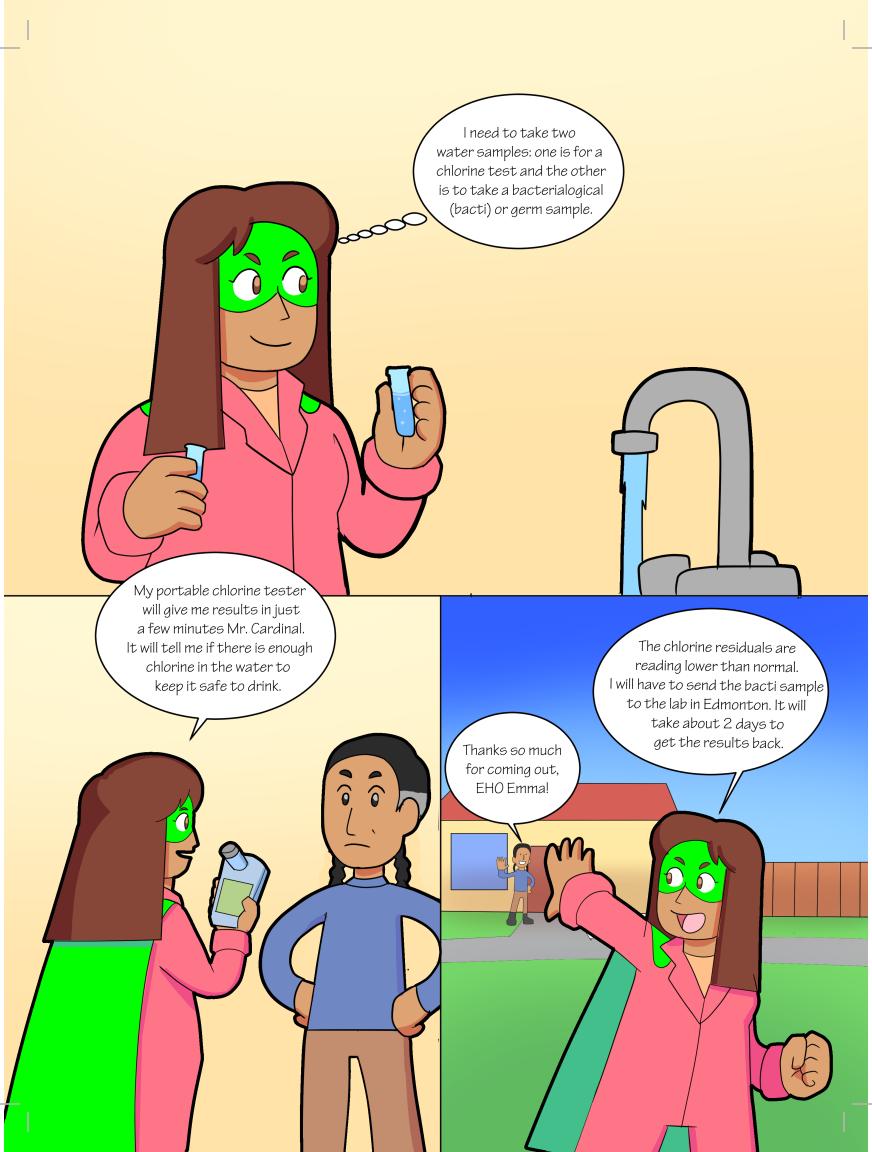
A cistern is a large watertight container that stores water. They are used in rural areas where there is no municipal water service. They are made of concrete, steel, plastic, or fiberglass. Cisterns can be built right into homes, into the ground, or built as towers. Cisterns are filled by a water truck.

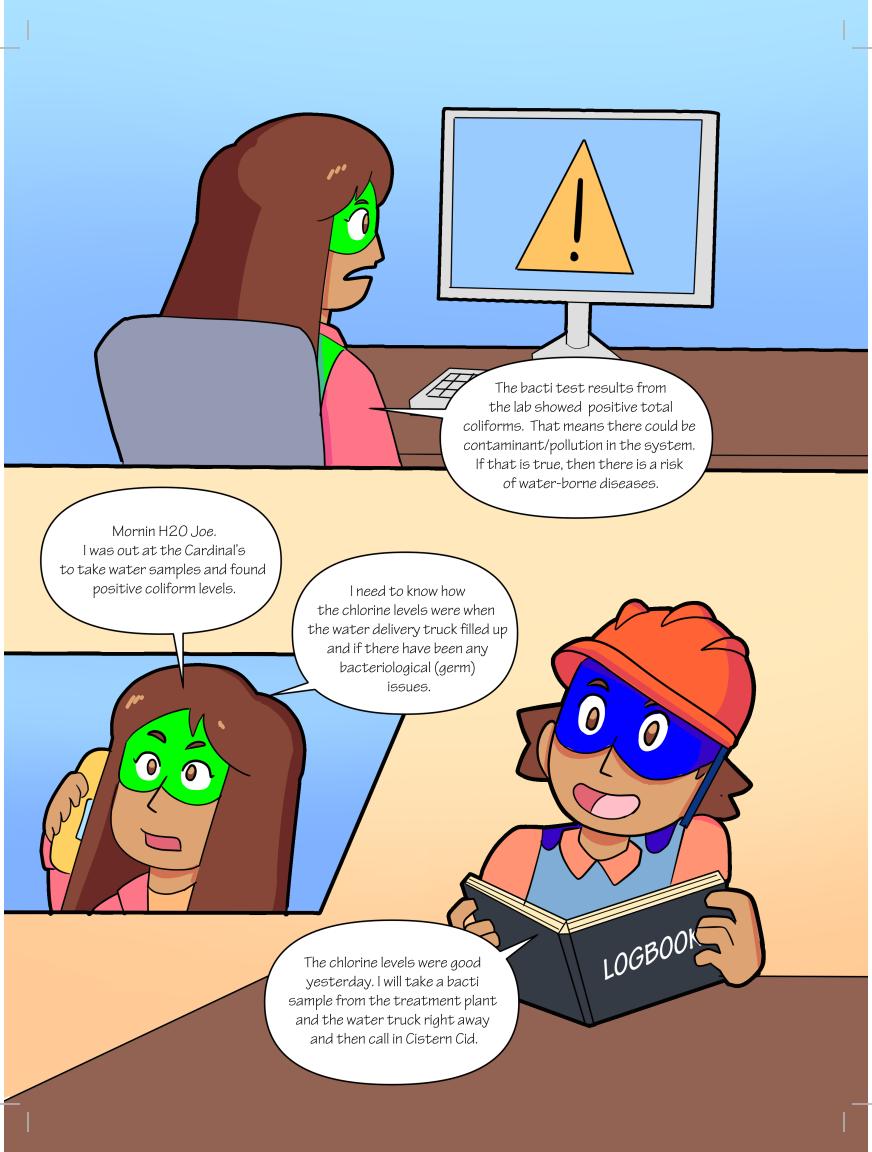
The average size of a cistern is 4 metres in length and 3 metres wide. They can hold between 5000 and 15,000 litres of water. The size of the cistern that people have depends on how many people are living in the home.

On average, a family of three uses about 750 liters of water daily. A cistern is usually filled every 2 weeks.

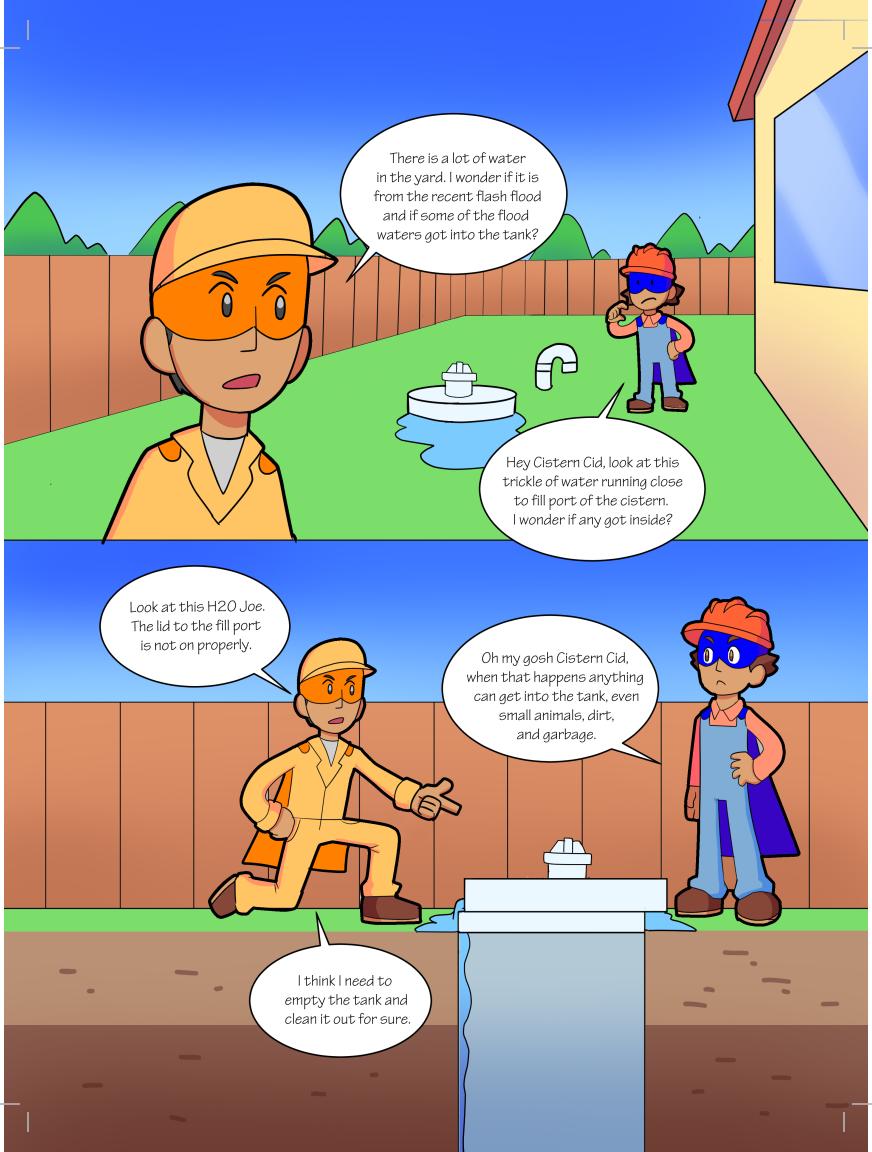


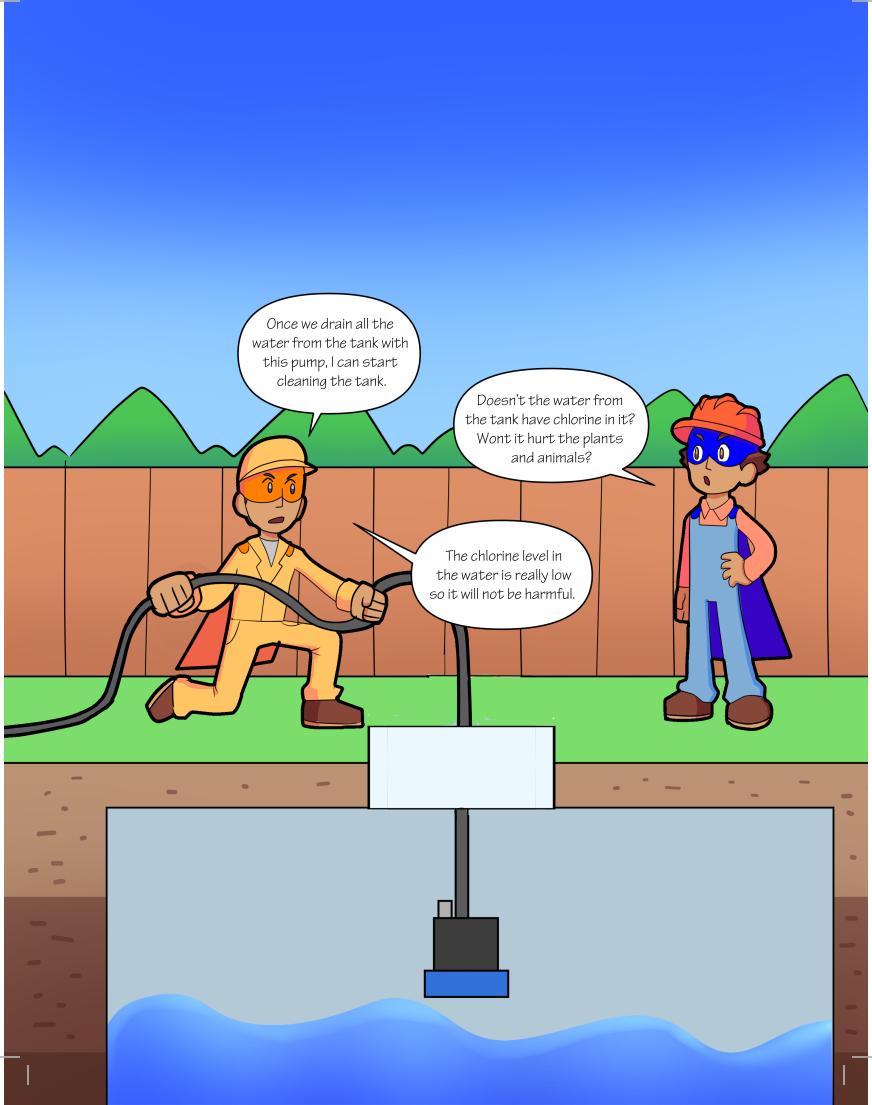




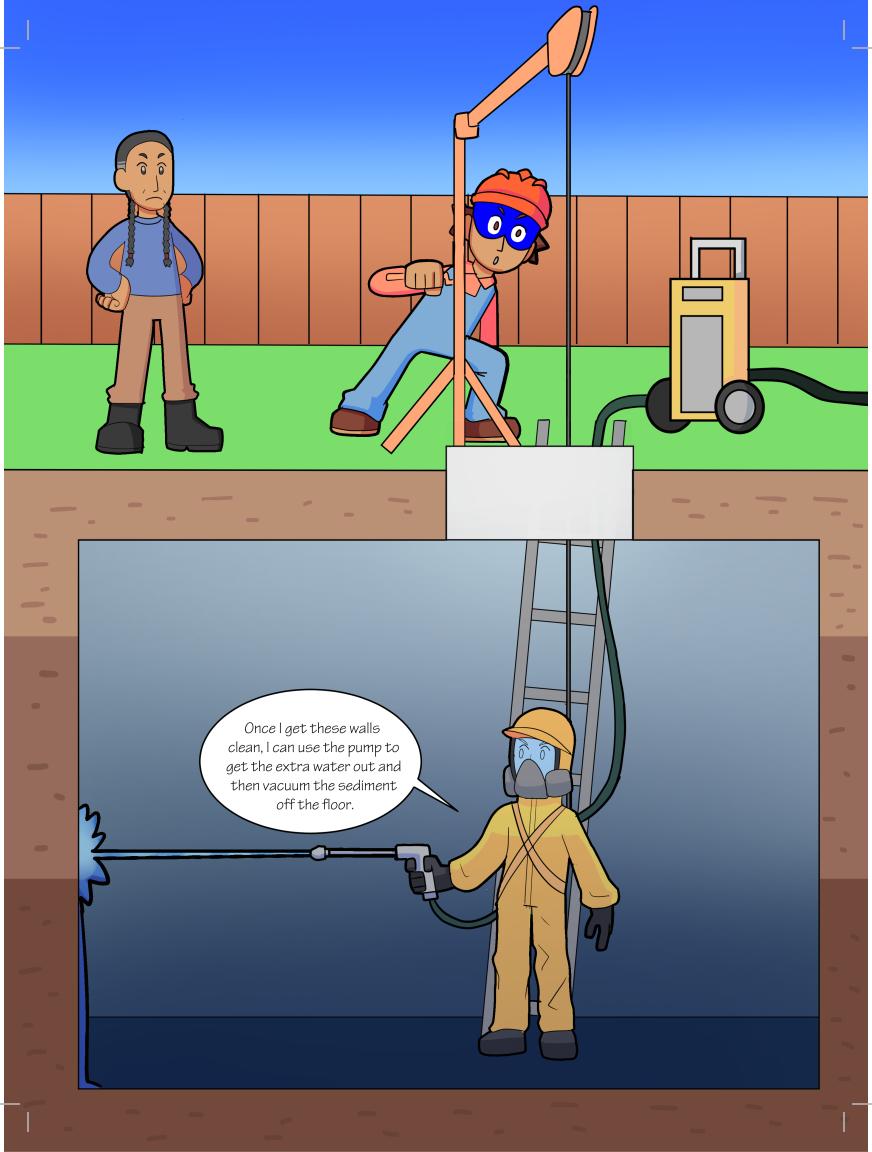




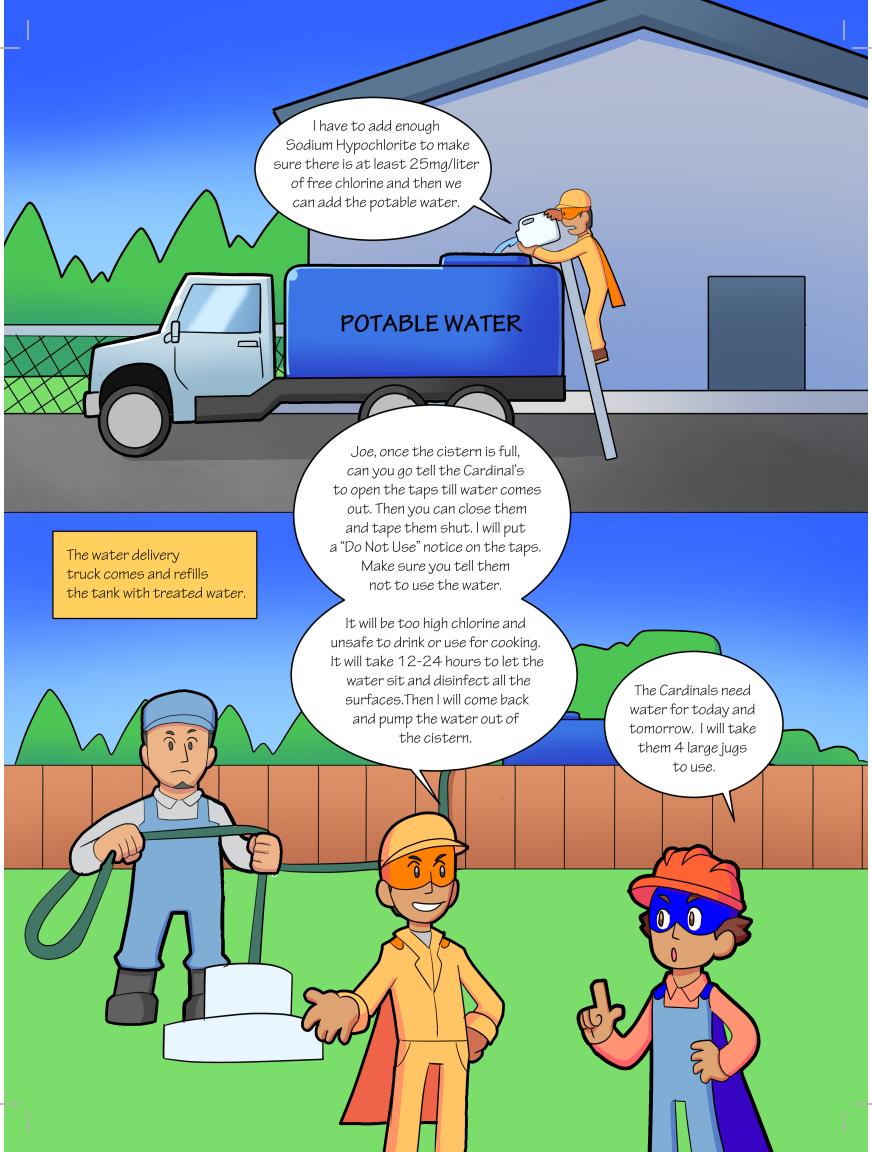


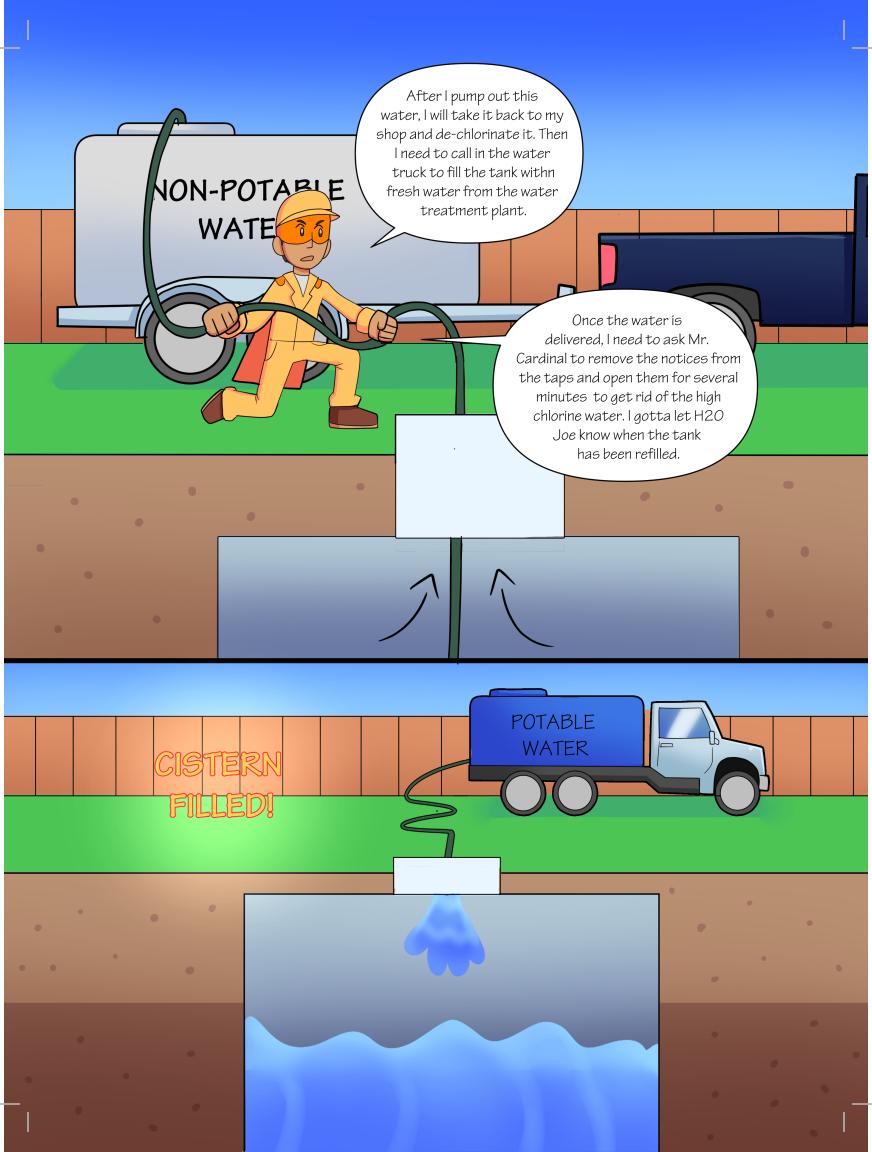


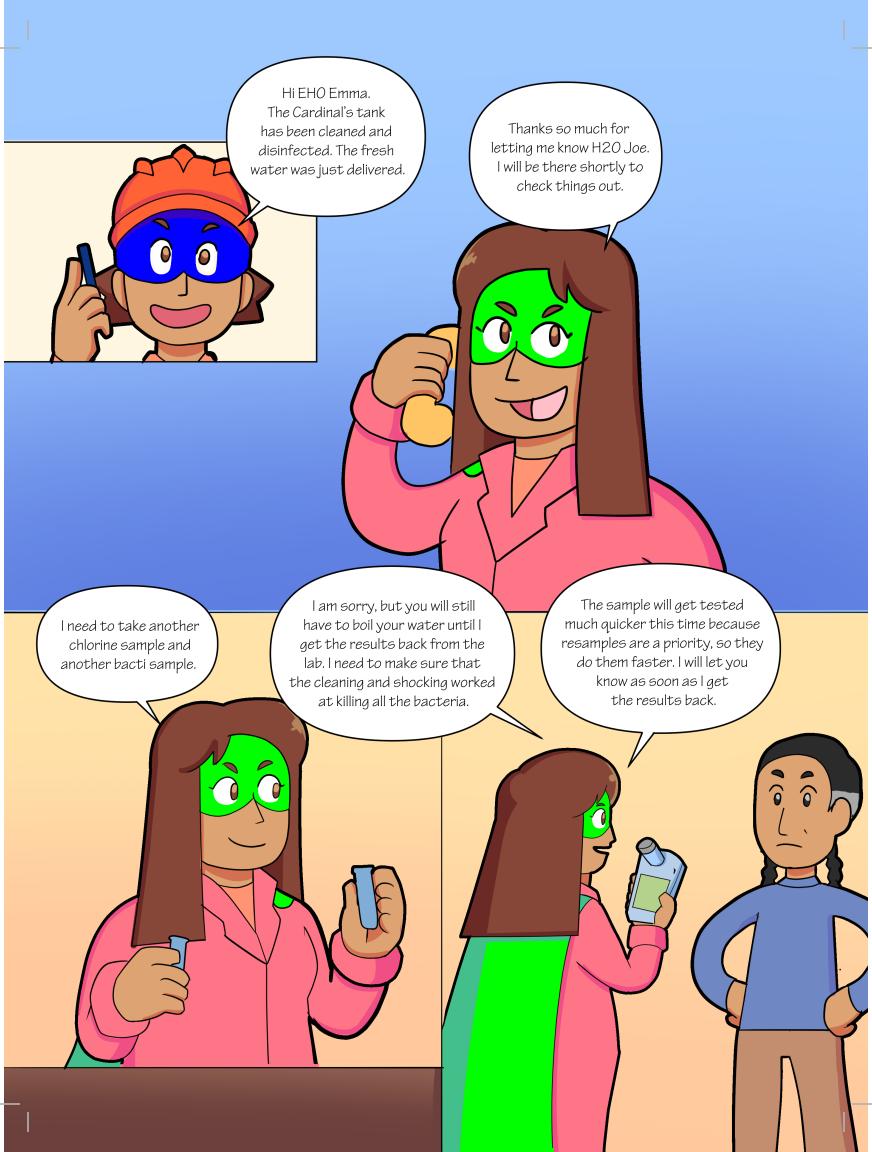


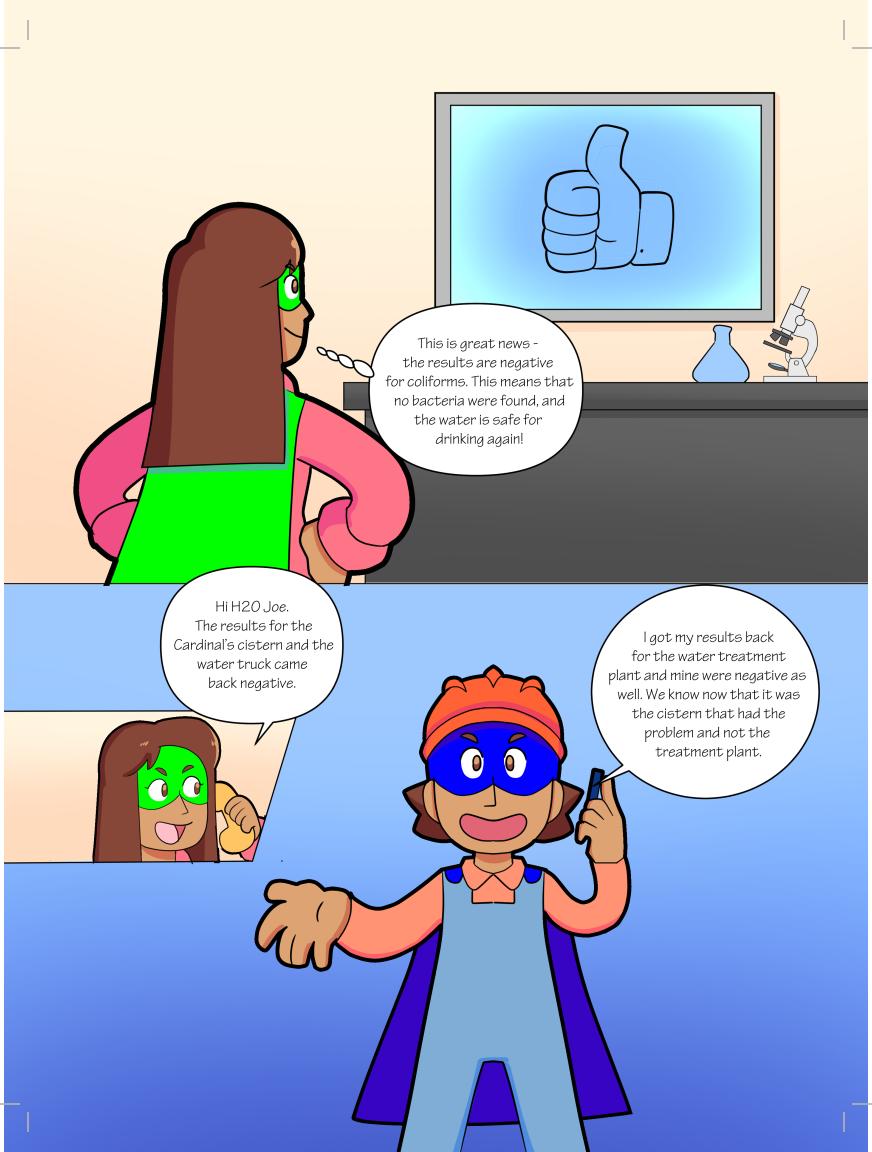






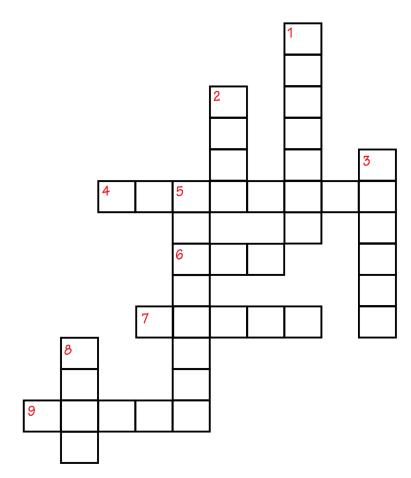








Cistern Safety



Down:

- 1. A large container of water
- 2. Something Emma does to find out what is wrong with the water
- 3. A measure for liquid
- 5. A chemical added to water to clean it
- 8. This happens when something gets stuck in a pipe

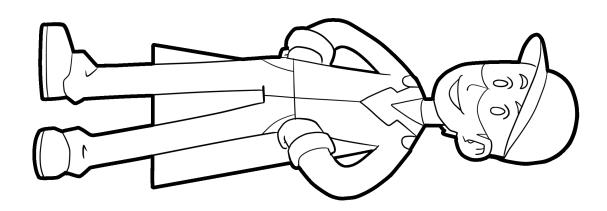
Across

- 4. Small things that get into water and can make us sick
- 6. A place where the water sample is sent to get tested
- 7. Something we do with water
- 9. A small rodent that can get into your house or cistern

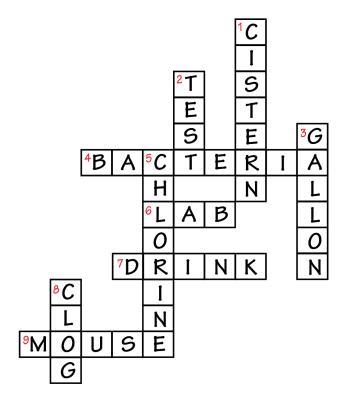
Tear-Out Page:

Cistern Cid

Turn the page



Crossword Answers



Cistern Facts

- The Basilica Cistern in Turkey is the largest cistern in the world. It is 138 meters long and 65 metres wide. It can hold 1.9 million imperial gallons of water.
- Some farmers use cisterns to store water during dry seasons so that they can irrigate their crops and feed their livestock.
- Fiberglass and plastic cisterns need to be anchored because they can float up if they are empty and there is a highwater table surrounding the tank. They also need reinforced walls to keep their structure. They can buckle from the weight of the ground above them or if there is too much pressure from ground water.

Cistern Safety

- Never leave a cistern uncovered. Small rodents can get in and drown. As they decompose, the water becomes unsafe to drink.
- Never leave old cisterns open and unattended. Children are naturally curious and can easily fall into cisterns and can be injured.
- Monitor your cisterns for leaks. Small leaks can become large leaks and water can easily flood a basement.
- Monitor the pressure and taste of your water. The pipes in cisterns using hard water can become clogged with mineral deposits.
- Cisterns that are built-in basements can contribute to moisture issues and mould.
- Clean your cisterns once a year.
- Never park within 5 feet of a cistern. The weight could cause damage to the cistern (such as cracks).
- Children should never play with the lids or screens on a cistern. Opening them, putting objects into them, or touching them can lead to the contamination of the water.



See you again for H2O Joe's next adventure!