

# "AWESOME FILTER"

## YOU WILL LEARN...

- \* How water can be cleaned through filtering

## WHY IS THIS IMPORTANT?

Can polluted water be turned into clean water? Yes, but it isn't easy. A process called filtration is used to remove the pollution from the water.

Filtration is a process where polluted water is poured through filters. As the water trickles through different layers of soil, the pollutants become attached to the soil particles. The water keeps draining and is clean after it moves through all the layers.

Many cities use filtration as a water treatment process. Water is used in homes and then goes into a sewer system. The sewer system takes the water to the waste water treatment plant. Chemicals are added to the water to kill all the bacteria. Then filtration is used to finish cleaning the water.

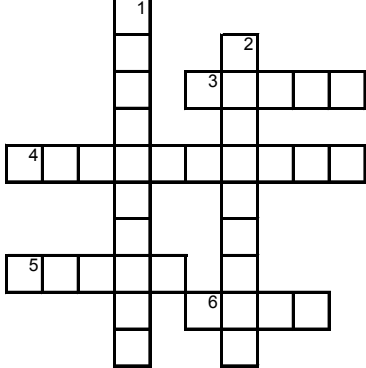
## DO THIS...

Pay attention as your teacher shows you how water can be cleaned by filtering. Complete the Water Wizard Workout.

## WATER WIZARD, CAN YOU TELL ME...

- \* The meaning of the word filtration?
- \* How cities can use filtration as a water treatment process
- \* What a sewer system does?

## WATER WIZARD WORKOUT

<p><b>Across</b></p> <p>3. We need clean _____ to drink.</p> <p>4. A process called _____ is used to remove pollution from water.</p> <p>5. A _____ system takes dirty water to the waste water treatment plant.</p> <p>6. Chemicals _____ the bacteria in the water.</p>	 <p>The crossword puzzle grid consists of 10 columns and 10 rows. The starting points for the clues are as follows:</p> <ul style="list-style-type: none"><li>1: Down, starting at row 1, column 6.</li><li>2: Down, starting at row 2, column 7.</li><li>3: Across, starting at row 2, column 6.</li><li>4: Across, starting at row 3, column 1.</li><li>5: Across, starting at row 4, column 1.</li><li>6: Across, starting at row 4, column 6.</li></ul>
---	---

### Down

1. A waste water \_\_\_\_\_ plant turns dirty water into clean water.
2. Chemicals are added to polluted water to kill \_\_\_\_\_.