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CAWST is a Canadian non-profit organization focused on the principle that clean water changes lives. Safe water and basic sanitation are fundamentals necessary to empower the world's poorest people and break the cycle of poverty. CAWST believes that the place to start is to teach people the skills they need to have safe water in their homes.

CAWST transfers knowledge and skills to organizations and individuals in developing countries through education, training and consulting services. This ever expanding network can motivate individual households to take action to meet their own water and sanitation needs.

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This presentation is used with Lesson Plans 6: The Multi-barrier Approach, Lesson Plan 7: HWT Options and Lesson Plan 8: Criteria for Evaluation in the Biosand Filter for Technicians Trainer Manual.

Available at [www.cawst.org/resources](http://www.cawst.org/resources)



# The Multi-Barrier Approach to Safe Drinking Water



# Learning Expectations

1. List and describe the five steps in the multi-barrier approach to safe drinking water.



# The Multi-Barrier Approach to Safe Drinking Water

There are 5 steps to get safe drinking water. The 5 steps are called the Multi-Barrier Approach to Safe Drinking Water.

Doing 1 step will make your water safer to drink. But doing all 5 steps will get the safest water.



# The Multi-Barrier Approach to Safe Drinking Water

The 5 steps are:

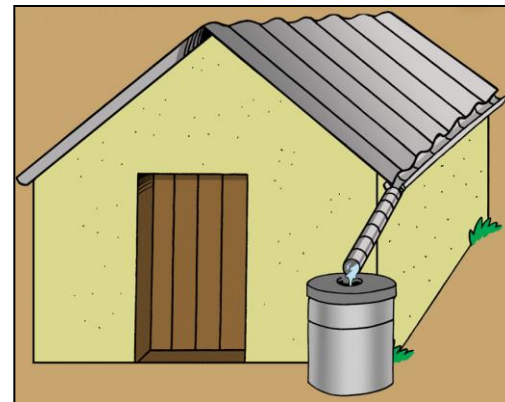
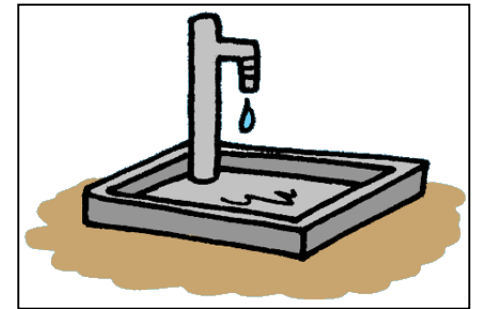
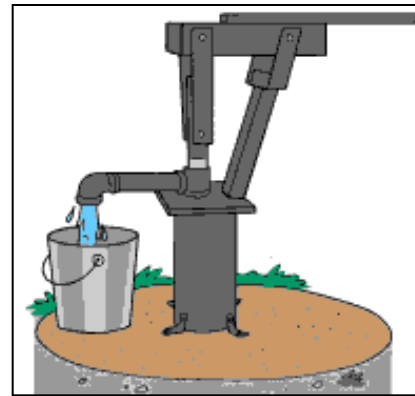
1. Protect your source water
2. Sediment your water
3. Filter your water
4. Disinfect your water
5. Store your water safely



# The Multi-Barrier Approach to Safe Drinking Water

## 1. Protect your source water

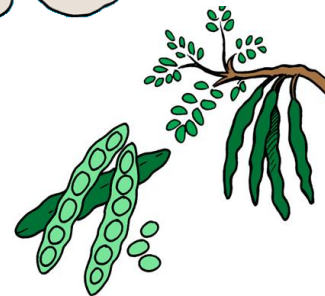
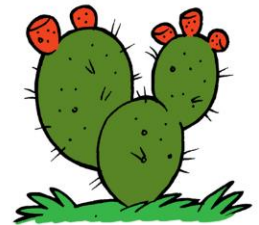
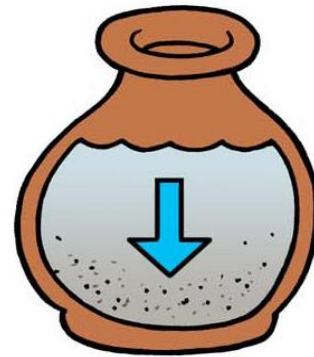
- Keep it clean.
- Keep surface flow, runoff and waste water out.
- Keep human and animal waste out.



# The Multi-Barrier Approach to Safe Drinking Water

## 2. Sediment your water

- Let the dirt and large particles in the water fall to the bottom.
- You can use alum, moringa seeds or prickly pear cactus to help the dirt settle.

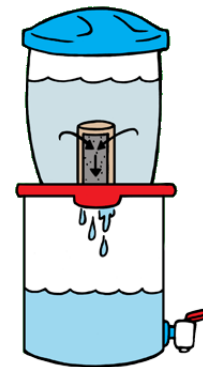
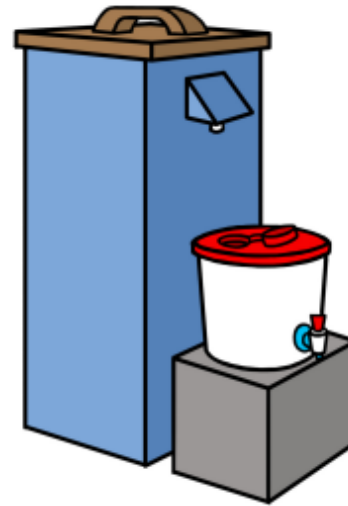




# The Multi-Barrier Approach to Safe Drinking Water

## 3. Filter your water

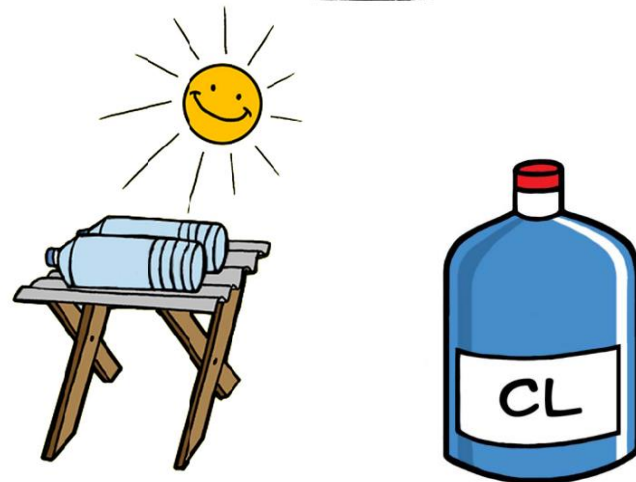
- Filter out the remaining dirt and large pathogens
- Use a biosand filter, a ceramic pot or a ceramic candle filter.



# The Multi-Barrier Approach to Safe Drinking Water

## 4. Disinfect your water

- Disinfecting the water will get rid of even the smallest pathogens that are still in the water.
- You can use chlorine, boiling, or SODIS.



# The Multi-Barrier Approach to Safe Drinking Water

## 5. Store your water safely

- Use a safe storage container to store your drinking water.
- Use a different bucket for collecting water from the source and for storing treated water.



# The Multi-Barrier Approach to Safe Drinking Water

## 5. Store your water safely

- Clean your safe water storage containers regularly.
- Use a tap to get the water out, or pour it out.



# Review

- What are the five steps to safe drinking water?
  1. *Protect your source water*
  2. *Sediment your water*
  3. *Filter your water*
  4. *Disinfect your water*
  5. *Store your water safely*

