



SESSION TITLE: WATER STORAGE AND TREATMENT IN THE HOUSEHOLD

Date:	Time:	Facilitator(s):
Learning Objectives:		
<ol style="list-style-type: none"> 1. To understand the importance of water storage and treatment. 2. To know how to properly store and treat water. 		
Facilitator Preparation:		
Materials:		
<ul style="list-style-type: none"> • Equipment: • Handouts: Protect Your Treated Water (Appendix 2), Disinfect Water by Boiling poster (Appendix 4), Disinfect Water with Chlorine poster (Appendix 5), • Trainer Materials: Routes of Contamination poster (Appendix 1), tape, true or false water treatment and storage cutouts (Appendix 6), stove, matches, cooking pot, water, bottle of chlorine, knife, plastic PET bottle, storage container with lid, mixing spoon, pitcher 		
Step / Time / Facilitator	Instructional Sequence	Materials
Motivation 5 minutes	-Ask the participants the following questions: Why is clean water important? Does clean water keep you healthy? How should you store water in your household? How should you treat your household water?	
Information 20 minutes	-Tape the Routes of Contamination poster to the wall (Appendix 1) -Explain to the participants that when water is not treated or stored properly, it can easily be contaminated by feces. This is why proper treatment and storage is very important. - Distribute the Store Your Water Correctly and Protect Your Treated Water handout. Tape a copy to the wall for explanation. Explain water should be stored in a clean container, whether it be a bucket, pitcher, or bottle, with a secure lid. The lid will keep contaminants from getting into the water and getting you sick. You should always clean the storage container before putting in the water. When taking water from the storage container, you should always try to pour it from the container, this will	-Protect Your Treated Water poster (Appendix 2) -Store Your Treated Water Correctly poster (Appendix 3) -Disinfect Water by Boiling poster (Appendix 4) -Disinfect Water with Chlorine poster (Appendix 5) -Tape



reduce the chance of contaminating the water. If pouring it is not an option, use a clean ladle that keeps your hand from entering the water. Never put a dirty spoon, glass or your hand in the water, this could contaminate it.

To clean the storage container:

- Wash your hands before cleaning the container
- Scrub the inside of the container with soap and treated water
- Empty the soapy water through the tap
- Rinse the container with a little treated water
- Add chlorine to water in the storage container and let it sit for 30 minutes, if chlorine is not available, let the container air dry
- Empty the remaining water through the tap
- Clean the tap with a clean cloth and chlorine solution (such as bleach) by scrubbing it with soap and adding before putting water in it.

-Explain that besides storing water correctly it is important to treat your water as well. If your water does not come already treated, it can easily be treated in the household. There are two easy methods: boiling and chlorine.

-Pass out the "Disinfect Water by Boiling" handout. Tape a copy to the wall for explanation.

Heat the water until it gets to a rolling boil (bubbles). Water should boil at this level for 2-3 minutes. Once your water has been sufficiently boiled, store it in a proper container with a lid. Water should be boiled every day.

-Pass out the Disinfect Water with Chlorine poster. Tape a copy to the wall for explanation.

When chlorinating water, the un-scented chlorine is added based on the amount of liters of water you want to chlorinate. For every liter of water, you want to add 1-3 drops of liquid chlorine. Once you add the chlorine, mix it well and let it sit for 30 minutes. This is sufficient time to kill the unwanted bacteria. Water should be treated with chlorine every day.

If you do not have a dropper, you can put a tiny hole in top of a chlorine bottle with the tip of a knife (be careful). Remember to replace the



	<p>cap with one without a hole before storing the chlorine and to only use un-scented chlorine.</p> <p>-Do not forget to store the treated water in an adequate storage container!</p> <p>-Treated water can be used throughout the household, but most importantly for drinking, cooking, washing dishes and bathing children. If there is sufficient water, it can also be used for bathing adults and watering consumable plants. When watering ornamental plants, cleaning the floor, washing clothes, etc., treated water is not required.</p>	
<p>Practice</p> <p>20 minutes</p>	<p>-Using the true or false water treatment and storage cutouts, ask the group to put the statements in the correct column, true or false. If they are false, they must explain why.</p>	<p>-True or false water treatment and storage cutouts (Appendix 6)</p> <p>-Tape</p>
<p>Application</p> <p>20 minutes</p>	<p>-Have the group practice proper water storage and treatment, including in house boiling water and chlorination.</p>	<p>-Stove</p> <p>-Matches</p> <p>-Cooking pot</p> <p>-Water</p> <p>-Bottle of chlorine</p> <p>-Knife</p> <p>-Storage container with lid</p> <p>-Mixing spoon</p> <p>-Pitcher</p>
<p>Evaluation</p> <p>5 minutes</p>	<p>-Ask the group:</p> <p>Why proper water storage and treatment are important?</p> <p><i>Correct answer: When water is not treated or stored properly, it can easily be contaminated by feces.</i></p> <p>How can they treat their water in the household?</p> <p><i>Correct answer: There are two easy methods: boiling or chlorine.</i></p> <p>How should they store their water in the household?</p> <p><i>Correct answer: Water should be stored in a clean receptacle, whether it be a bucket, pitcher, or bottle, with a secure lid.</i></p>	



Notes		
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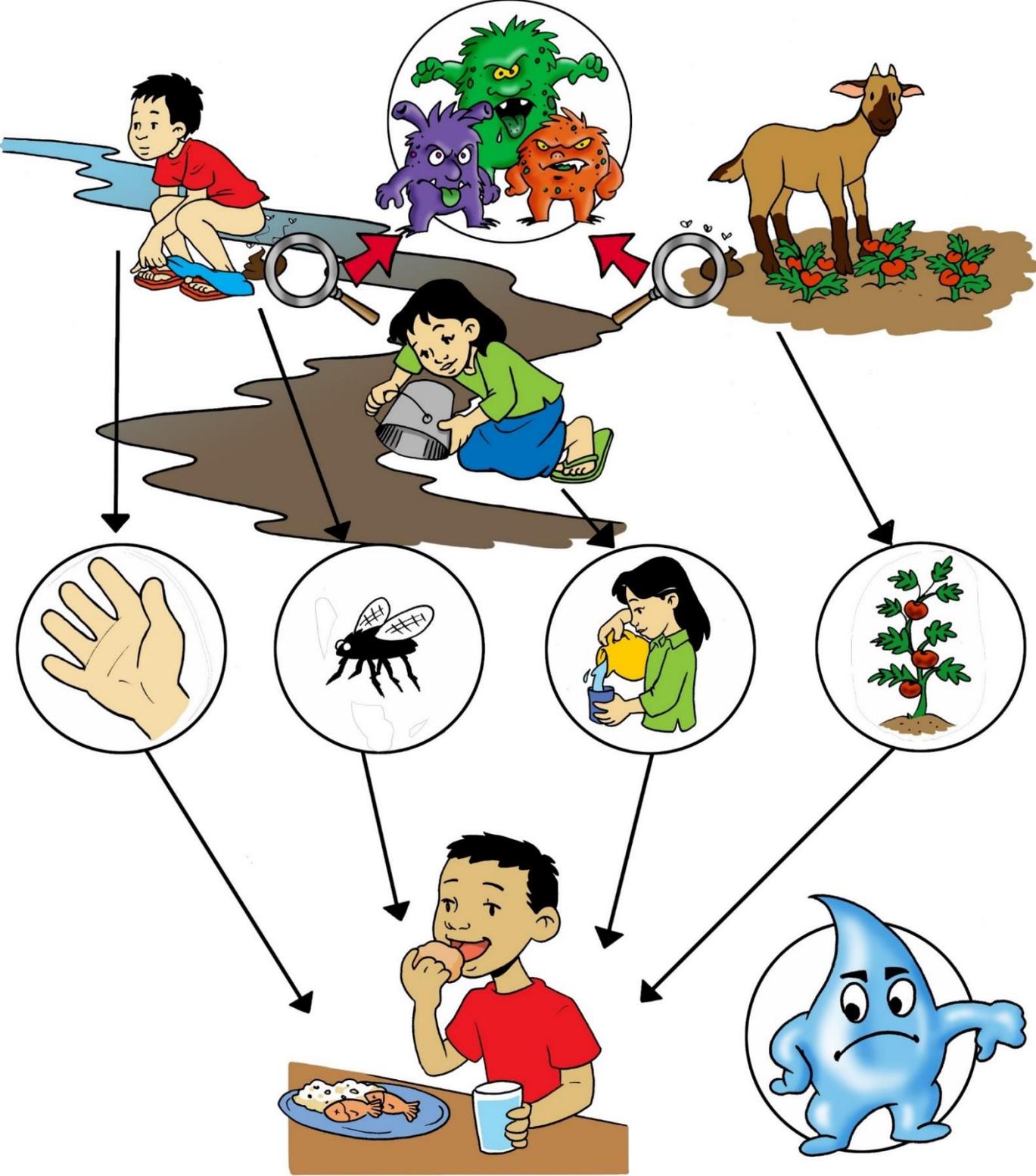


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APPENDIX 1

THE ROUTES OF CONTAMINATION



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APPENDIX 2

PROTECT YOUR TREATED WATER



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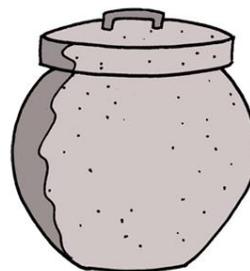
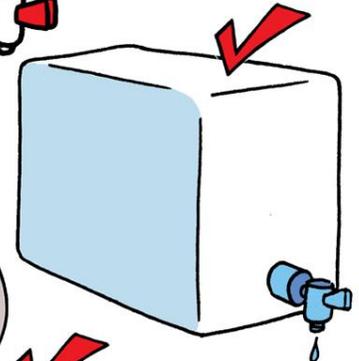
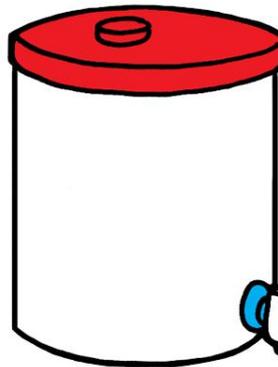
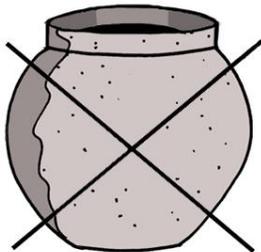
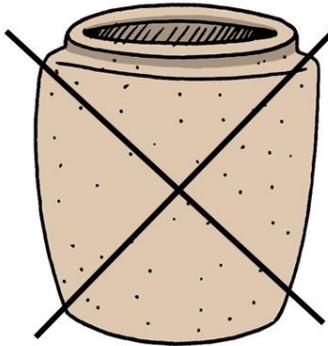
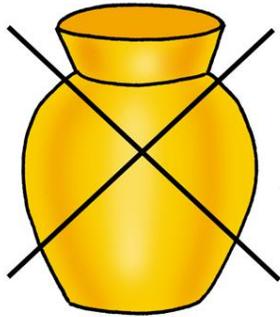
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APPENDIX 3

STORE YOUR TREATED WATER CORRECTLY



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APPENDIX 4

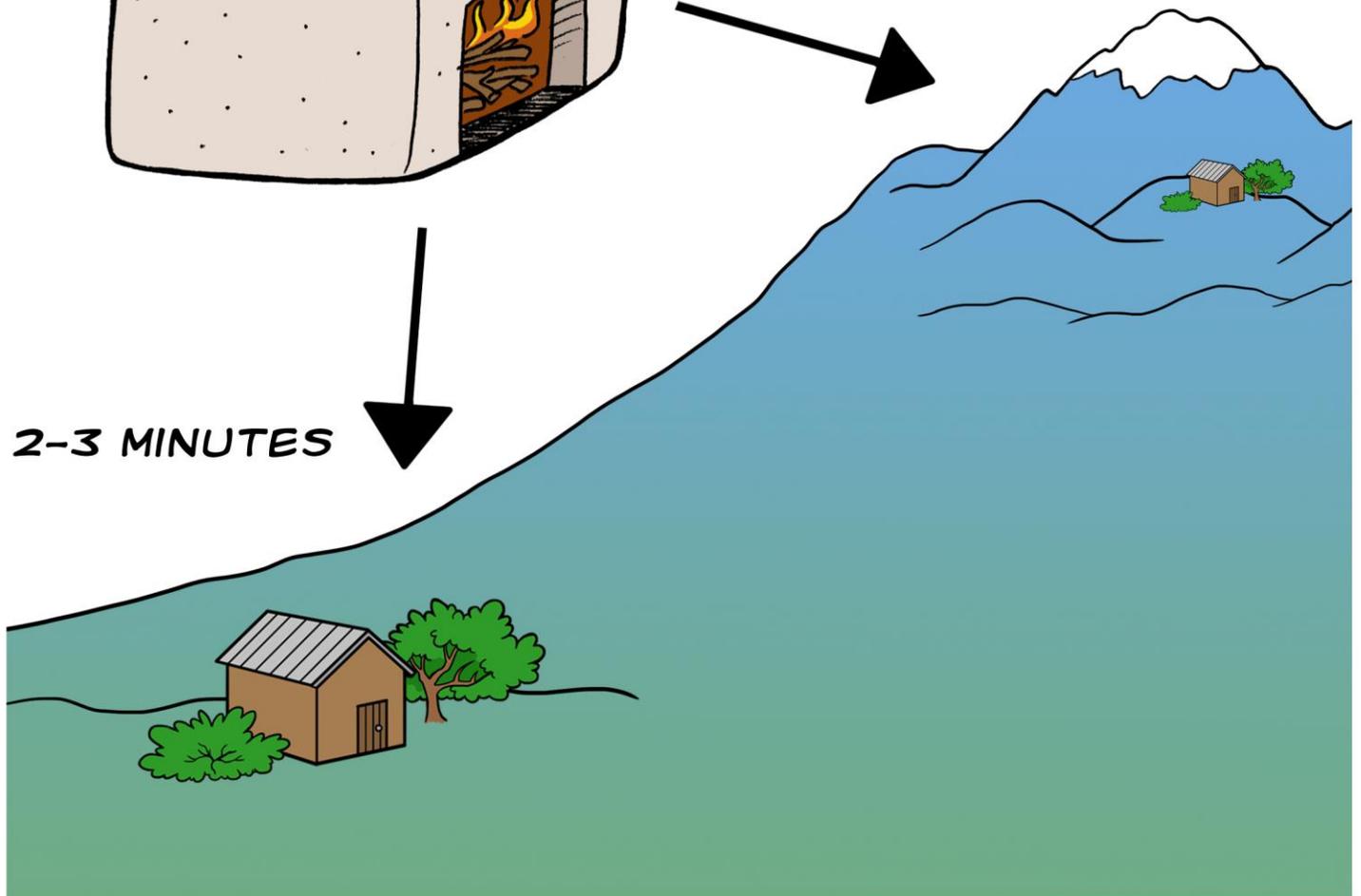
DISINFECT YOUR WATER WITH BOILING



2-3 MINUTES



2-3 MINUTES



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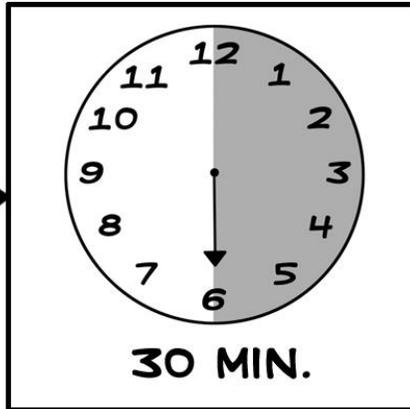
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APPENDIX 5

DISINFECT YOUR WATER WITH CHLORINE



1-3 drops of odorless chlorine per liter of water, mix well



Wait 30 minutes



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APPENDIX 6



TRUE

Water should be boiled for 2-3 minutes.

When boiling water, I should start counting time when the water starts boiling.

After adding chlorine to water, it should sit for 30 minutes.

My water storage container must have a secure lid.

My treated water is for drinking and cooking.

FALSE

For water chlorination, I should add 3-5 drops of chlorine per liter of water.

Any type of container works to store my water.

I can use my drinking glass to get water out of my storage container.

Once I've treated my water, I can store it all week.

I should use my treated water to water ornamental plants.

Washing my storage container with water is sufficient