

Lesson Plan 4: Safe and Unsafe Water Sources**45 minutes total****Lesson Description**

Participants explore the different ways to access safe water and discuss unsafe water points that require treatment before drinking.

Learning Outcomes

At the end of this session participants will be able to:

1. Define safe water.
2. Determine safe and unsafe water sources.

Materials

- Markers
- Flipcharts
- White board
- Eraser
- Photos of different water sources
- Three bottles of water with different appearances (example: one bottle water mixed with juice/coffee, one bottle clear water and bottle of turbid water)

Preparation

- Prepare photos of different water sources
- Three bottles of water with different appearance
- Prepare outcome flipchart

Introduction**5 minutes**

1. Show three bottles of water to participants (one bottle water mixed with juice/coffee, one bottle of clear water and bottle of turbid water).
2. Ask participants to choose one bottle for drinking.
3. Ask participants why they chose this bottle.
Clear, look cleaner, no color, not contaminated

Topic 1: Define Safe Water**10 minutes**

1. Pair Share: Ask participants to discuss with a partner: what is the definition of safe water?
2. Ask participations to share their definition of safe water with whole group.

3. Share the WHO definition for safe water with participants. "Safe drinking water is water that does not represent any significant risk to health over the lifetime of consumption, including different sensitivities that may occur between life stages."
4. Ask the participants: is the clear water safe to drink? Why or why not?
 - *There could be contaminants that you cannot see, like pathogen and other chemical contaminants.*
 - *Our sense could be right, it is most likely that turbid water has more contaminants, but only clarity does not mean water is free of pathogen and other contaminants.*
5. Ask participants to name some characteristics of safe water. Write down their answers on flipchart paper.
 - a. Clear
 - b. Tasteless, colorless, odorless
 - c. Pathogen-free
 - d. Low concentration of toxic chemicals

Topic 2: Determine safe and unsafe water sources**15 minutes**

1. Divide the participants into groups of 3-4 people.
2. Give each group photos of different water sources.
3. Ask the participants to distinguish the safe water sources from the unsafe water sources.
4. Ask the participants to discuss the common characteristics of safe and unsafe water sources.

Review**5 minutes**

1. Finger Method: Read out statements that are true or false. As you read them ask participants to raise their finger if they think it is true, and to point their finger downwards if they think it is false. Then ask some of the participants to explain why they said the statement is true or false.
2. Statements:
 - a. The sources of drinking water are ground, rain and the biosand filter.
 - i. False: Ground, rain and surface
 - b. Water may not be safe to drink even when it is clear.
 - i. True: There are contaminants that are colorless (arsenic) or too small to see (bacteria, protozoa, viruses)
 - c. The following are not characteristic of safe water: Clear, test less, colorless, odorless Pathogen free and Low concentration of toxic chemicals
 - i. False:

Reflections on Lesson

Images of different water sources



