

WATER EDUCATION



STUDENT MANUAL



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Pan American Health Organization (PAHO)
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Centre for Affordable Water & Sanitation Technology
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Thank

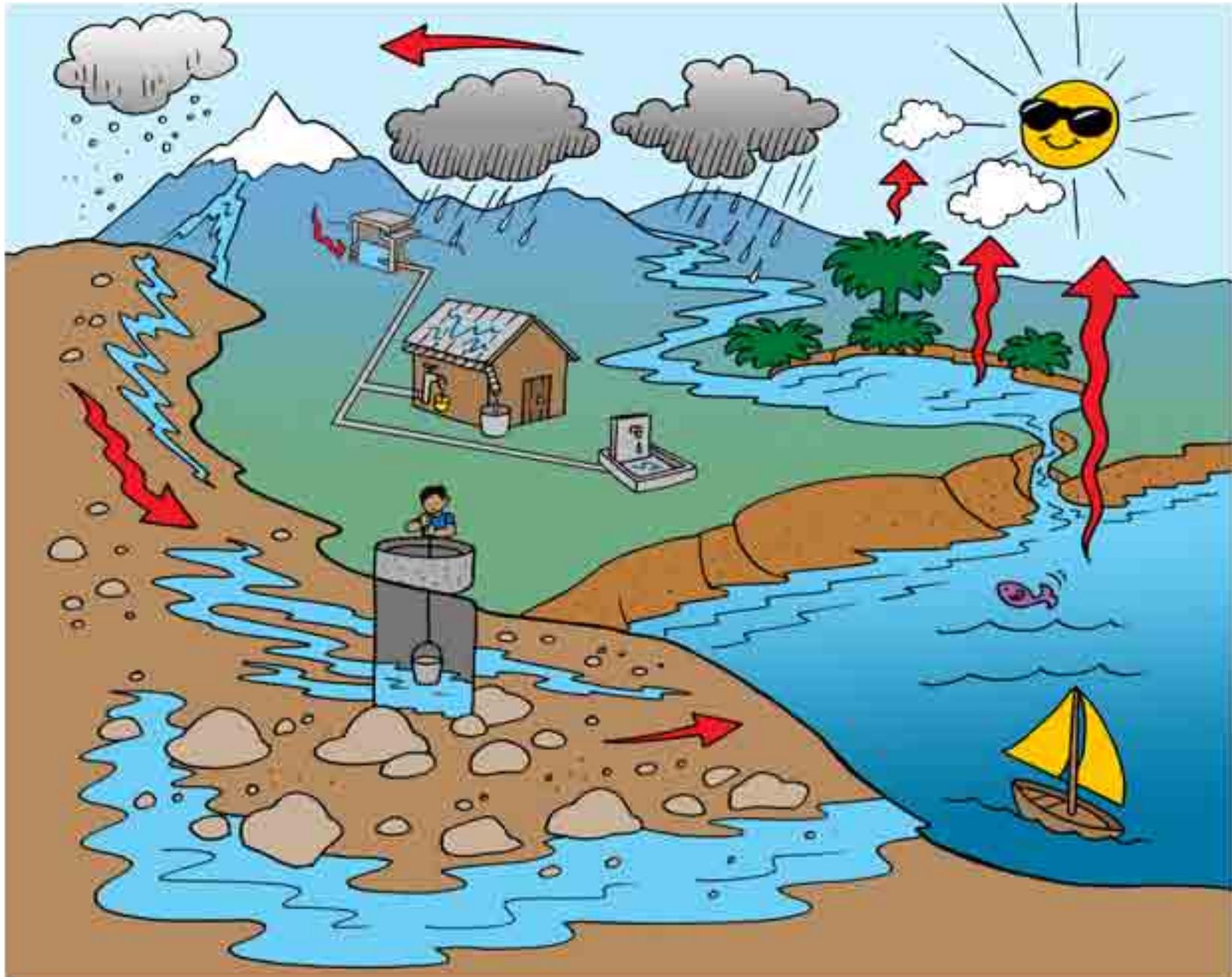


You

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A1: WATER CYCLE



A2: WATER EDUCATION



Importance of having safe drinking water



Dangers of drinking and using unsafe water



Proper hygiene practices



How to prevent water-related illnesses



Cooking with safe water drinking



Conservation and storage of water



Sanitation

A3: WHAT HEALTH THREATS DO YOU SEE?



B1: WATER SOURCES - EXAMPLE

	Turbidity 	Smell 	Salt 	Chemicals 	Germ 	Safe: Yes or No 
 Well						Yes
 Windmill						Yes
 River						No
 Pond						No
 Lagoon						No
 Ocean						No

B1: WATER SOURCES - COMMUNITY

	Turbidity 	Smell 	Salt 	Chemicals 	Germs 	Safe: Yes or No 
 Well						
 Windmill						
 River						
 Pond						
 Lagoon						
 Ocean						

C1: EFFECTS OF UNSAFE AND SAFE DRINKING WATER

Unsafe Drinking Water

Safe Drinking Water

Health
Mental
Social
Physical



Child
Mortality



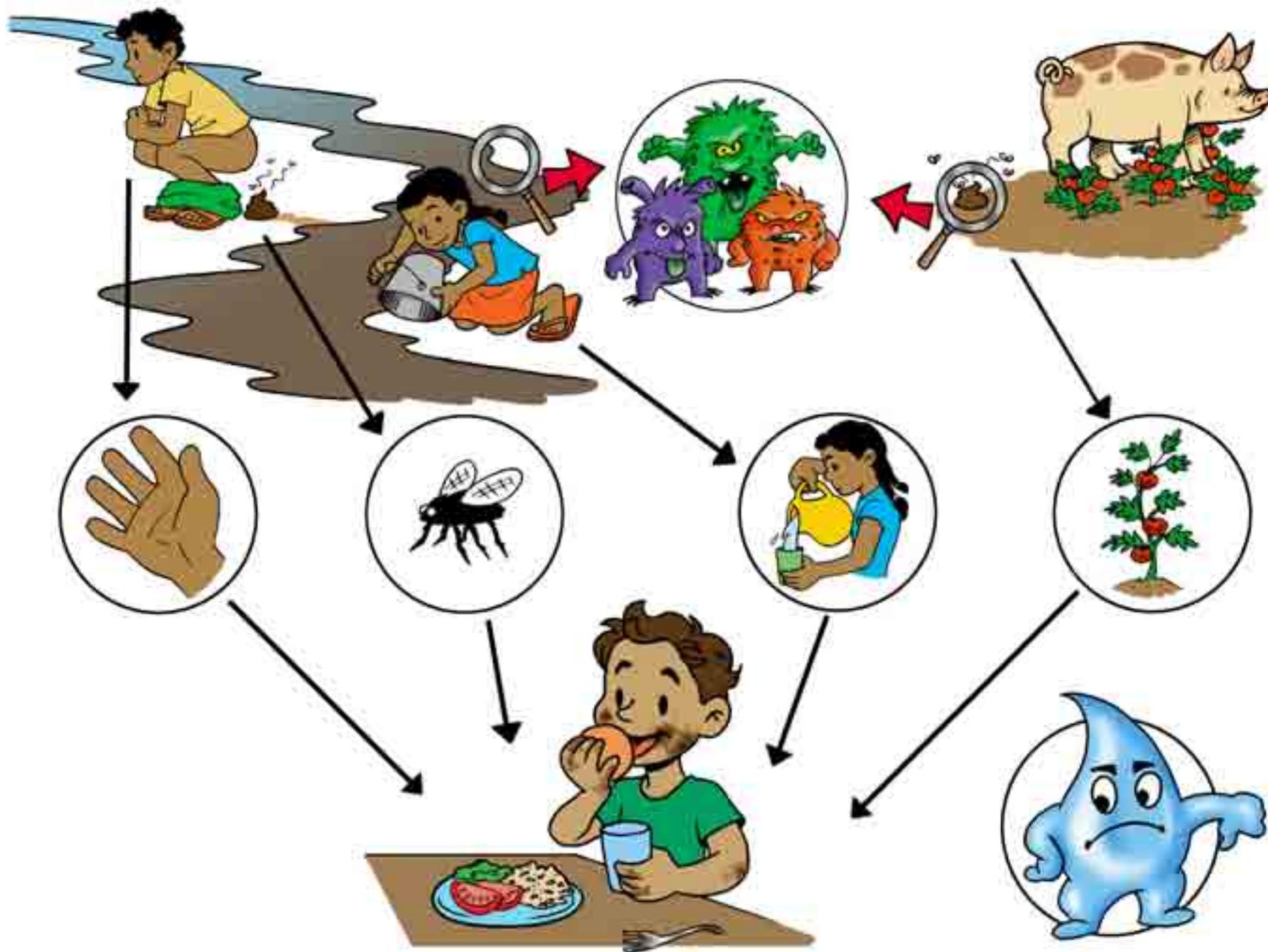
Productivity
Children
Women
Men



Economic and
Development
Growth



D1: MICROBES COME FROM FECES



D2: WATER-RELATED ILLNESS CYCLE



D3: PREVENT WATER-RELATED ILLNESSES



Drink only
safe drinking water



Wash your hands with
safe drinking water



Keep your body clean



Keep your home clean



Dispose
waste water properly

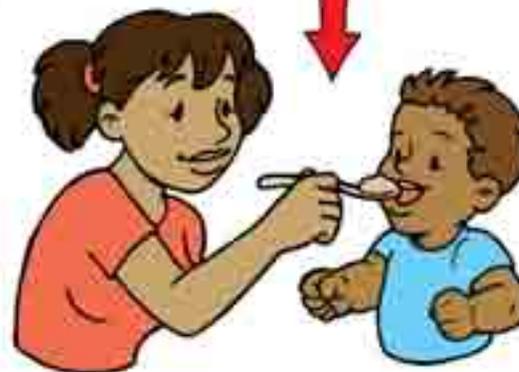


Store water properly



Prepare and cook
food properly

E1: WASH YOUR HANDS



E1: BINGO BOARD



Before eating



When hands are dirty



Before touching food



Before contact with sick people



After sneezing



After contact with animals



Before cooking



After using the toilet



After contact with sick people

E2: HANDLING ANIMALS IMPROPERLY



1. A man has diarrhea outside.



2. A pig eats the man's feces. Afterwards a child plays with the pig and gets feces on his hands.



3. The child starts to cry and his mother comforts him. He wipes his hands on her skirt.



4. The mother cooks for the family. She uses her dirty skirt to keep from burning her hands. The feces from her skirt get on her hands. She serves the food.



5. The family eats the food.



6. Later, the whole family has diarrhea.

E3: GOOD, BAD AND IN-BETWEEN 1



Good



In-Between



Bad

E3: GOOD, BAD AND IN-BETWEEN 2



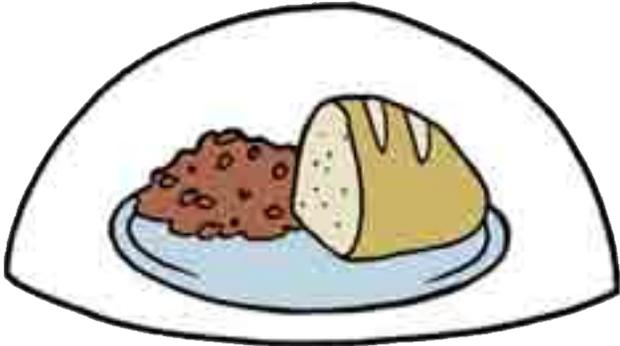
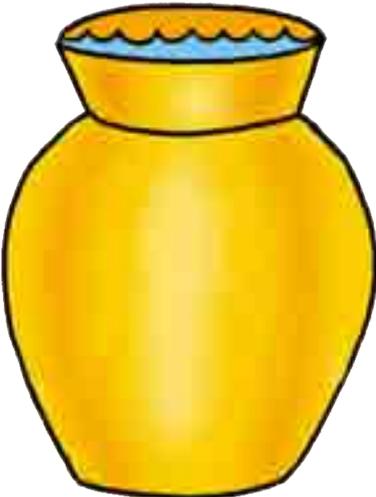
E3: GOOD, BAD AND IN-BETWEEN 3



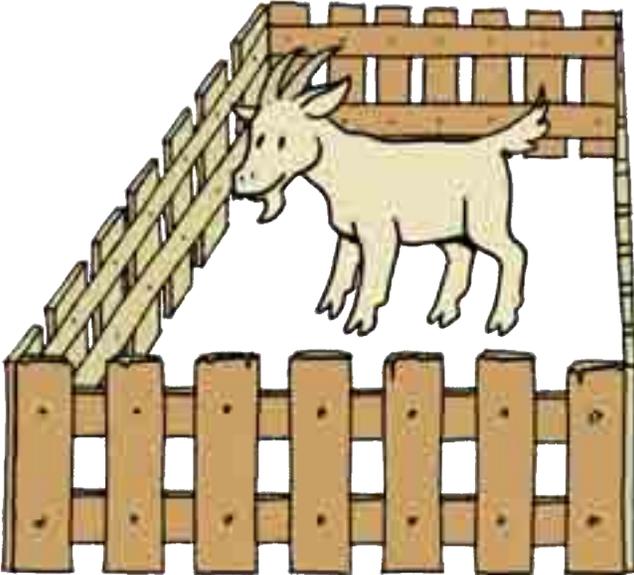
E3: GOOD, BAD AND IN-BETWEEN 4



E3: GOOD, BAD AND IN-BETWEEN 5



E3: GOOD, BAD AND IN-BETWEEN 6



E3: GOOD, BAD AND IN-BETWEEN 7



E3: GOOD, BAD AND IN-BETWEEN 8



F1: PROTECT YOUR TREATED WATER

How to clean the water container



How to access the water properly



How to access the water improperly



F1: STORE YOUR TREATED WATER SAFELY

Unsafe Containers



Safe Containers



F2: HOW MUCH WATER DOES ONE PERSON NEED PER DAY?



3 liters for drinking



4 to 6 liters for laundry



2 to 3 liters for food preparation and cleanup



6 to 7 liters for personal hygiene

G1: WHAT DOES AN APPROPRIATE LATRINE PROVIDE?



A place to urinate and defecate



A way to clean oneself afterwards



Keeps urine and feces away from food and water



A clean and safe place to use the bathroom



Turns urine and feces into a valuable resource

G1: FECES, FERTILIZER AND FOOD CYCLE



Food becomes human waste



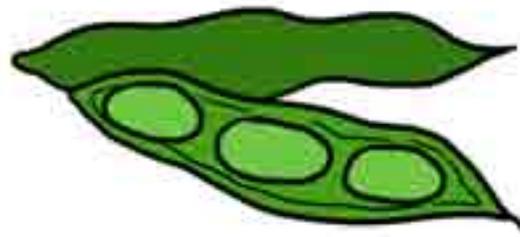
Human waste turns into fertilizer



Fertilizer feeds the soil



Crops become food



Soil grows into crops



G2: WASTE MANAGEMENT AND WASTE WATER

Appropriate



Inappropriate



