

Science 4

Microlearning Module

QUARTER 4 – Module 2

Uses of Water



Science 4
Microlearning Module (MLM)
Quarter 1 – Module 2: Changes in Matter
First Edition, 2024

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MICROLEARNING MODULE

Name: _____ Grade & Sec: _____ Score: _____

Subject: Science 4 Quarter: 4 MLM No. 2

Teacher: _____

Competency: **The learners recognize that water is one of the basic needs of plants and animals.**

Uses of Water

A. Look Back!

Before we will proceed to the new lesson let us review our past lesson by answering the following questions.

Activity A.1 Can You Still Remember Me

Directions: Read the statements carefully and write your answers on a separate sheet of paper.

1. It covers most of the earth's surface.
A. air B. oxygen C. soil D. water
2. It is a type of soil made up of very fine particles of rocks.
A. clay B. gravel C. loam D. sand
3. The Grade Four learners experimented on three types of soil. One of the learners poured water onto the soil in three cans, each containing a different type of soil. The learner observed that water did not drain from one of the cans containing a particular type of soil. Which type of soil is it?
A. clay B. gravel C. loam D. sand
4. The following are characteristics of loam soil **EXCEPT one**.
A. It is good for plants and animals.
B. It is a mixture of silt, sand, and clay.
C. Loam soil is made up of fine particles.
D. It is made up of decayed plants and animals.
5. Sandy soil is described as _____.
A. good for making clay pots.
B. soil that holds much water.
C. particles that are coarser than those of clay and silt.
D. soil can hold enough water and oxygen which is needed for plant growth.

B. What's New?

Today we are going to discover the different uses of water. Let us take a look at the illustration below, what do you see?

Activity B.1 Look at Me!

Directions: Observe the illustration and tell something about it.

Write your answer on a separate sheet of paper.

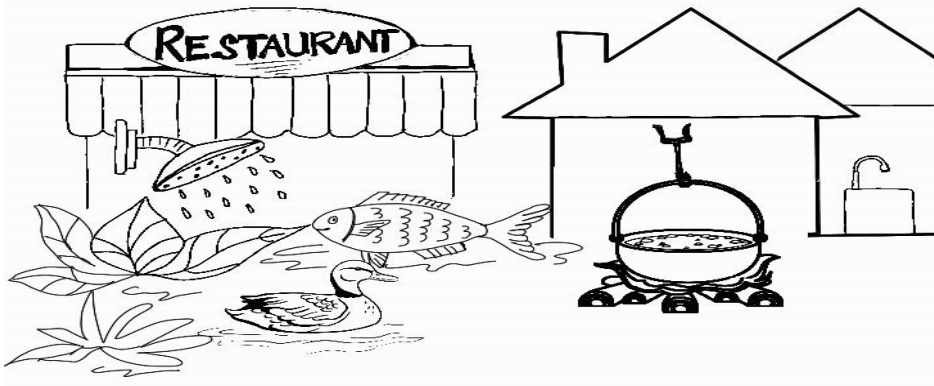


Figure 1. The Different Uses of Water

Activity B.2 Know Me Better

Directions: Draw a smiley face () if you agree with the statement and a sad face () if you disagree. Write your answer on a separate sheet of paper.

1. Water is not used to generate electricity.
2. Water is used in cooking to boil pasta, rice, and vegetables.
3. Humans and animals need water to stay hydrated and healthy.
4. We use water to wash our hands, dishes, and clothes to keep them clean.
5. Farmers use water to irrigate crops, helping them grow strong and healthy.

C. What Is It?

Below are the illustrations about water and how plants and animals benefit from it.

Water Wonders

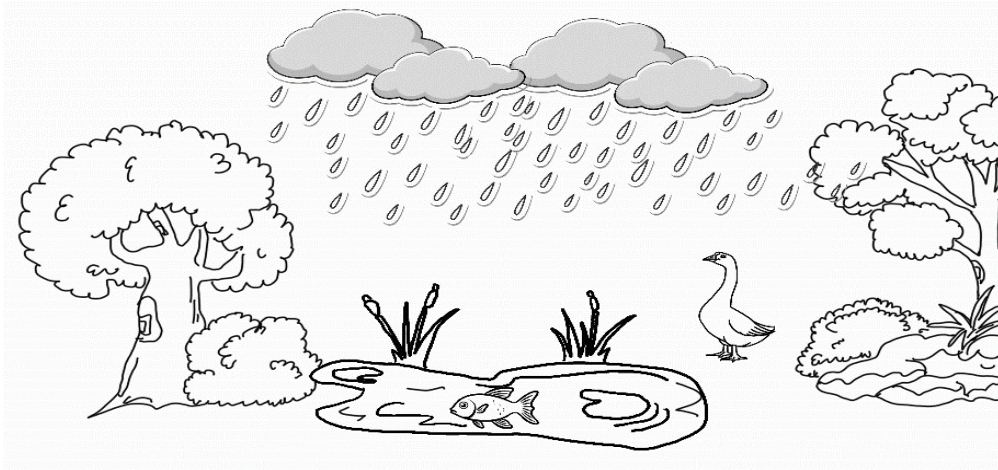


Figure 1. Water Habitat

Some plants and animals, such as fish, reptiles, amphibians, aquatic birds, algae, and aquatic plants use water as their home. They also need clean water for drinking, bathing and cleaning their bodies.



Figure 2. Water in Industries

Many business establishments need water in order to operate; restaurants, gyms, factories and laundromats cannot run without clean water. The fire department cannot fight fires without water either. This means that establishments cannot run without water. Like restaurants, they prepare food, wash dishes with the use of water.

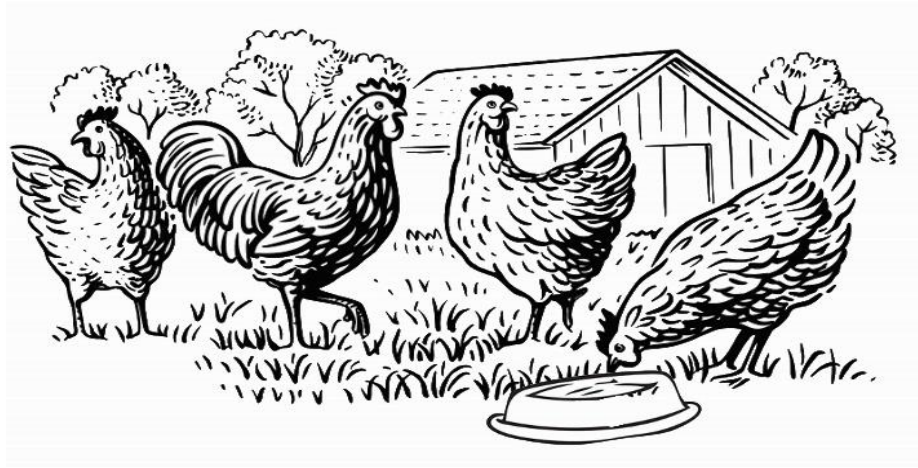


Figure 3. The Needs of Plants and Animals

Farmers need clean water to irrigate crops and to keep animals healthy. At home, we cannot bathe, brush our teeth, go swimming, or wash clothing or cars without clean water.

Water has different uses for different organisms. Without water, these organisms will not survive. Therefore, water plays an important role in our daily lives.

D. Let's try!

Activity D.1 Remember Me

Directions: Based on the illustrations and readings above, answer the following questions. Write your answer on a separate sheet of paper.

1. How do farmers use water on the farm?

2. Name some instances in which people use water.

3. What do plants and animals need to survive?

4. Why is some water unsafe to drink?

5. Though there is plenty of fresh water in the Polar Regions, why is it still not suitable for humans to drink?_____

Activity D.2 Supplying the Box

Directions: Fill in the box how the following organisms use water and write your answers on a separate sheet of paper.

| Organism | Use water for |
|-----------------------|---------------|
| humans | |
| plants | |
| birds, fish, reptiles | |

E. Let's Evaluate

Directions: Read the question carefully and write only the letters of the correct answers on a separate sheet of paper.

- The following need water to survive EXCEPT:
A. clams B. dolphin C shark D. fishing rod
- Some water is not safe to drink because it contains _____.
A. salt B. sugar C. mineral D. honey
- At home, we cannot bath, brush our teeth, wash clothes or cars without clean _____.
A. air B. water C. alcohol D. liquid soap
- Maria went to the river, and she found out that different organisms are living together. ater is _____ for the animals.
A. food B. place C. habitat D. playground
- Mr. Salvador used to irrigate his rice field every two weeks in preparation for the planting season. The water is being used for _____.
A. camping B. farming C. fishing D.hunting
- People living near rivers and seas use water for _____.
A. restaurants C. planting
B. transportation D. harvesting
- The following are some instances in which people use water daily EXCEPT:
A. recreation C. laundromats
B. restaurant D. transportation
- Why do most plants and animals live near bodies of water?
A. for food C) for shelter
B. for protection D) all of the above

9. Which of the following lives in the water?
- A. duck, heron, shrimp
 - B. carabao, lizard, shells
 - C. mud crab, milkfish, clams
 - D. shark, crocodile, and chicken
10. Seventy percent of the Earth is covered in water. Of that, only three percent is freshwater, and of the freshwater, only 0.5 percent is suitable for drinking. This means that ____.
- A. water can be treated for drinking
 - B. we can drink water from anywhere
 - C. water is unlimited and safe to drink
 - D. water from the river can be safe to drink

F. References

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ANSWERS KEY

Grade 4 SCIENCE

Quarter 4 MLM No. 2

A. Look Back!

Direction: Encircle the letter of the correct answer.

1. d
2. a
3. c
4. b
5. a

D. Let's try!

D.1

1. Water
2. Restaurants, Gyms, Factories, Laundromats, Transportation
3. Farmers use water by irrigating their crops to grow healthy.
4. It is not safe to drink some waters because it contains salt.
5. It is not safe to drink even it is made up of freshwater because it cannot be treated for drinking.

D.2 Complete the table below showing how organisms use water.

| | |
|-----------------------|---|
| Use water for humans | transportation, food, restaurant, farming |
| plants | Growing, habitat |
| Birds, fish, reptiles | Cleaning plumage, habitat, hunting for food |

Note: Answers may vary

Give at least three (3) examples how humans, plants, and animals use water.

Note: Answers may vary

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