

JANUARY

Makugihon

FEBRUARY

Mahiguagmaon

MARCH

Mainabungen

APRIL

Matinahuron

MAY

Makapsay og Malimpyo

JUNE

*Maabtik og Masunod sa
Dhasalng Oras*

JULY

Maantigo og Maabilidad

AUGUST

*Maginhuhunoon
para sa Uban*

SEPTEMBER

Madaginoton

OCTOBER

Matinud-anon

NOVEMBER

Masaligan

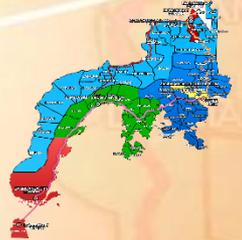
DECEMBER

Maalampon



Republic of the Philippines
Department of Education

Regional Office IX, Zamboanga Peninsula



Zest for Progress
Zeal of Partnership

SCIENCE

Quarter 4 – Module 2: The Different Sources of Water Suitable for Human Consumption



Name of Learner: _____

Grade and Section: _____

Name of School: _____



What I Need to Know

Explain the use of water from different sources in the context of daily activities

S4ES-IVb-2



What's In

Hey there, kid! Welcome to your new learning module. This module consists of fun activities which will help you learn the lesson best. Are you ready? Let's begin your new module by answering this review activity.



ACTIVITY 1: TYPES OF SOIL

We all know that water plays a very important role in soil and plant growth relationship. Now, answer the following questions. Encircle the letter of the correct answer.

- Which soil type can become hard as stone when dry?
a. Clay b. Silt c. Sand d. Loam
 - Which soil type dries out quickly after a rainfall?
a. Clay b. Silt c. Sand d. Loam
 - Which soil type would be best for building a structure?
a. Clay b. Silt c. Sand d. Loam
 - Which soil type would a gardener need to break up every now and then to allow more drainage?
a. Clay b. Silt c. Sand d. Loam
 - Which soil type would a cactus do well in?
a. Clay b. Silt c. Sand d. Loam
- 6-10. What is a soil? (5pts) Soil _____.



What's New

Excellent work, kid! How is it going? I want you to stretch your arms and take a quick break, after that, proceed to the next activity. Just keep on going and learning! 😊



ACTIVITY 2: IDENTIFY ME

Identify the following pictures. Write your answer on the space provided below the given pictures.

1.



2.



3.



4.



5.



6.



7.



8.



9.



10.



What is It

Hey there, kid! I want to welcome you to the lesson proper. Read and understand carefully the lesson in order for you to answer the next activities that were given. Enjoy, kid! ☺

SOURCES AND KINDS OF WATER

Water comes from different sources. It may come from open or closed sources. It may also come from a small body of water or a big body of water. Rainwater comes from clouds. There are **THREE** main sources of water. The kind of water depends on its sources. The three different kinds of water are seawater, freshwater, and ground water.

1. **SEAWATER** – is salty. It contains plenty of salt. It is found in the seas and oceans. Seawater is also called *hard water*. It is the habitat of aquatic animals and plants. These plants and animals are used mainly for food and medicine. Seas and oceans are also used for recreation such as swimming, diving, windsurfing, and etc.



2. **FRESHWATER** – is also called *surface water*. Unlike the seawater, it does not contain salt. This is found in open but small bodies of water like rivers, lakes, creeks, and ponds. Surface water comes mostly from rain. Rainwater flows from land into streams and rivers. In cold countries, it also comes from snow. Great quantities of snow accumulate on highlands and mountains during winter. In spring, the snow melts and runs off into surface water. It is used for cleaning, washing, bathing, preparing food and other household chores. Freshwater sustains plant and animal life. It is used to water plants. It is given to animals to drink. Without water, plants will wither. Without water, animals and people will die of thirst.



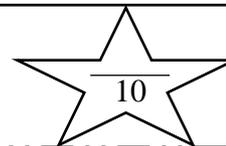
3. **GROUNDWATER** – is found beneath the Earth's surface. It comes from water that seeps into the ground. These accumulate in the underground layer called *water table*. Groundwater is the safe source of water. It is considered the cleanest water and contains plenty of dissolved minerals which the human body needs. Springs are openings of the groundwater directly to the Earth's surface.

Other sources of water are clouds, icebergs, and glaciers. Clouds come from evaporating water. Glaciers and icebergs are solid water found only in very cold countries and contain about two-thirds of the Earth's freshwater.



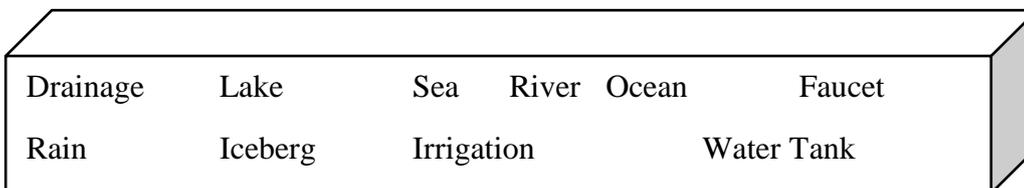
What's More

You have come a long way in your module. Keep it up, kid! ☺ Now, answer this activity for you to check your learning track. ☺



ACTIVITY 3: ARRANGE ME

Arrange the following words that are found in the box below if they belong to the natural water resources or man-made water resources.



Natural Water Resources	Man-made Water Resources



What I Have Learned

Job well done, kid! Let us test your memory and answer these activities below.

ACTIVITY 4: TRUE OR FALSE



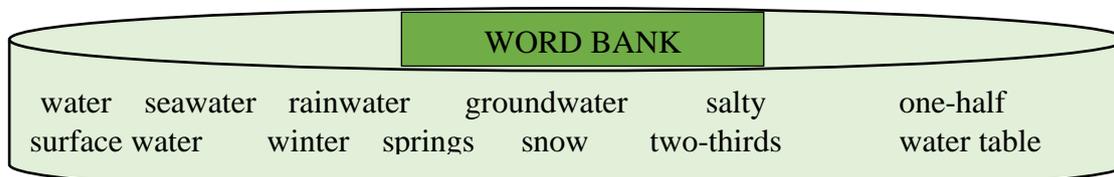
Draw a ☺ if statement is TRUE, and ☾ if the statement is FALSE.

- _____ 1. Water comes from open or closed sources.
- _____ 2. There are huge and small forms of water.
- _____ 3. Let us not conserve our water resources.
- _____ 4. Plants and animals do not use water for growth and health.
- _____ 5. There are four main sources of water.
- _____ 6. Freshwater is used for cleaning, washing, bathing and preparing food and other household uses.
- _____ 7. Glaciers and icebergs are solid water found only in very cold countries.
- _____ 8. Groundwater is the safe and cleanest source of water.
- _____ 9. In winter, the snow melts and runs off into surface water.
- _____ 10. Seawater is the habitat of aquatic plants and animals.

ACTIVITY 5: FILL IN THE BLANKS



Fill in the blanks with the correct answers found in the word bank.



1. There are three main sources of _____. The kind of water depends on its source.
2. _____ is found beneath the Earth's surface. It is considered the cleanest water and contains plenty of dissolved minerals which the human body needs.
3. Great quantities of _____ accumulate on highlands and mountains during winter.
4. Freshwater is also called _____. Unlike the seawater, it does not contain salt.
5. Glaciers and icebergs are solid water found only in very cold countries and contain about _____ of the Earth's freshwater.
6. Surface water comes mostly from rain. _____ flows from land into streams and rivers.
7. _____ is also called hard water.
8. In _____, the snow melts and runs off into surface water.
9. Seawater is _____. It contains plenty of salt.
10. Groundwater comes from the water that seeps into the ground. These accumulate in the underground layer called _____.



What I Can Do

Hello, kid! You have reached in this page. It means you have understood your lesson. Keep it up, kid! Here is another exciting activity I have prepared for you. Have fun in answering, kid! ☺



ACTIVITY 6: ENUMERATION

As a Grade – IV pupil, cite 10 ways on how you can conserve our water resources?

- | | |
|----|-----|
| 1. | 6. |
| 2. | 7. |
| 3. | 8. |
| 4. | 9. |
| 5. | 10. |



Post Assessment

Congratulations, kid! You have finished your module successfully. Before we end this module, answer these final activities to assess whether you understood the lesson or not. Keep doing better, kid! 😊



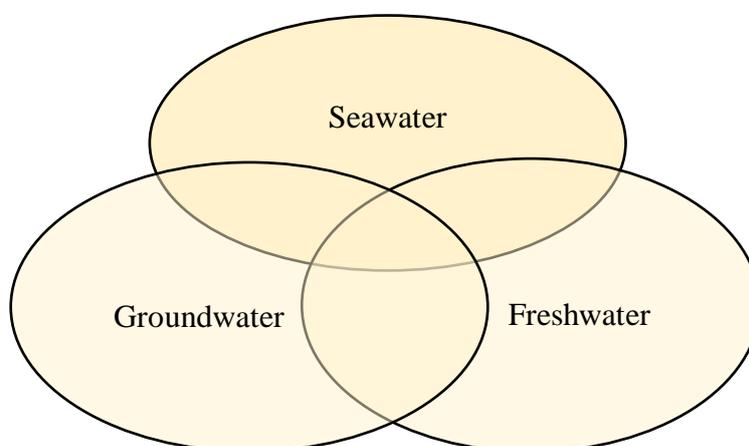
ACTIVITY 7: MULTIPLE CHOICE

Read the sentences carefully. Encircle the letter of the best answer.

- It is found beneath the Earth's surface and comes from the water that seeps into the ground.
 - Freshwater
 - Groundwater
 - Seawater
- It contains plenty of salt and found in the seas and oceans.
 - Freshwater
 - Groundwater
 - Seawater
- It is also called surface water, and it does not contain salt.
 - Freshwater
 - Groundwater
 - Seawater
- It comes from different sources and it may come from open or closed surfaces.
 - Soil
 - Air
 - Water
- How many are the main sources of water?
 - Four
 - Five
 - Three

ACTIVITY 8: COMPARE AND CONTRAST

Using the Venn Diagram below, compare and contrast the following water sources. (15pts)



Answer Key:

- Activity 5
1. Water
 2. Groundwater
 3. Snow
 4. Surface Water
 5. Two-thirds
 6. Rainwater
 7. Seawater
 8. Spring
 9. Salty
 10. Water Table

- Activity 4
1. 
 2. 
 3. 
 4. 
 5. 
 6. 
 7. 
 8. 
 9. 
 10. 

- Activity 3
- Natural Water Resources:
1. Lake
 2. Sea
 3. River
 4. Ocean
 5. Rain
 6. Icebergs
- Man-made Water Resources:
1. Drainage
 2. Irrigation
 3. Water Tank
 4. Faucet

- Activity 2
1. cooking
 2. bathing
 3. drinking
 4. watering plants
 5. swimming
 6. washing clothes
 7. brushing teeth
 8. scuba diving/diving
 9. fishing
 10. washing dishes/plates

- Activity 1
1. a
 2. c
 3. a
 4. b
 5. c
 - 6-10. Answers may vary

Activity 6
Answers may vary

Activity 8
Answers may vary

- Activity 7
1. b
 2. c
 3. a
 4. c
 5. c

References:

BOOKS

- Science Teacher's Guide, Department of Education, pages 301 to 308
- Science Learner's Material, Department of Education, pages 258 to 266

LINKS

FOR CLIPARTS

- <https://pixabay.com/>
- <https://www.gutenberg.org/>
- <https://www.istockphoto.com/>

TYPES OF SOIL CONTENT

- <https://www.education.com/lesson-plan/weve-got-the-dirt/>

Development Team	The Footprints Prayer	Region IX Hymn
<p>Writer: Marinel S. Bara Teacher III Tiguma Elementary School</p> <p>Editor: Gecris A. Marquez</p> <p>Reviewer: Mila P. Arao</p> <p>Illustrator:</p> <p>Layout Artist:</p> <p>Management Team:</p> <p>Danny B. Cordova, EdD, CESO VI SDS-Pagadian City</p> <p>Ma. Colleen L. Emoricha, EdD, CESE ASDS</p> <p>Mat Ranillo O. Singson, EdD, CESE ASDS</p> <p>Maria Diosa Z. Peralta CID Chief</p> <p>Ma. Madelene P. Mituda, EdD EPS-LRMDS</p> <p>Mila P. Arao EPS -Science</p>	<p>One night I had a dream. I dreamed that I was walking along the beach with the LORD.</p> <p>In the beach, there were two (2) sets of footprints – one belong to me and the other to the LORD.</p> <p>Then, later, after a long walk, I noticed only one set of footprints.</p> <p>“And I ask the LORD. Why? Why? Why did you leave me when I am sad and helpless?”</p> <p>And the LORD replied, “My son, my son, I have never left you. There was only one (1) set of footprints in the sand, because it was then that I CARRIED YOU!”.</p>	<p>Here the trees and flowers bloom. Here the breezes gently blow. Here the birds sing merrily. The liberty forever stays,</p> <p>Here the Badjaos, roam the seas. Here the Samals, live in peace. Here the Tausogs, thrive so free. With the Yakans in unity.</p> <p>Gallant men and ladies fair. Linger with love and care. Golden beams of sunrise and sunset, are visions you'll never forget Oh! That's Region IX.</p> <p>Hardworking people abound, Every valleys and dale Zamboangueños, Tagalogs, Bicolanos, Cebuanos, Ilocanos, Subanons, Boholanos, Ilonggos. All of them are proud and true Region IX our Eden Land. Region IX Our... Eden... Land...</p>