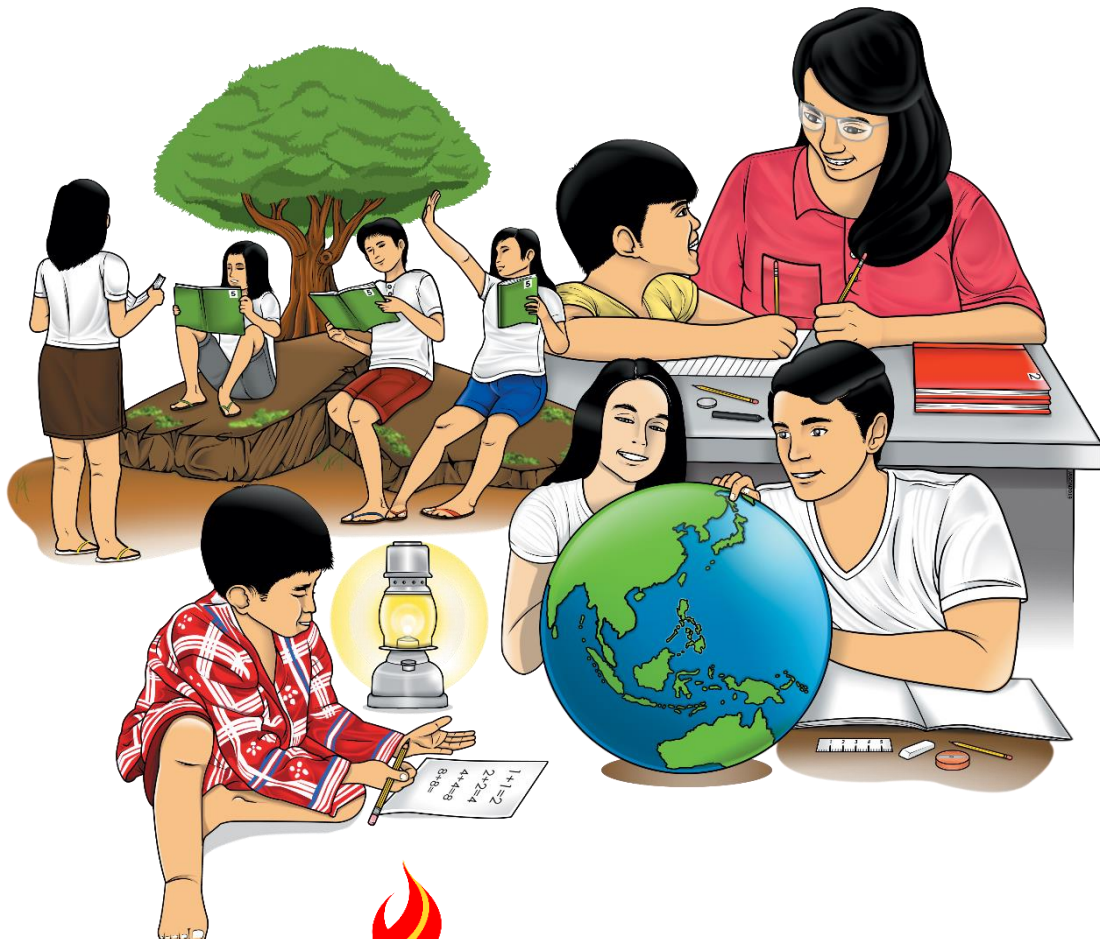


Science

Quarter 2 – Module 12: Protection and Conservation of Environment



Science – Grade 3
Alternative Delivery Mode
Quarter 2 – Module 12: Protection and Conservation of Environment
First Edition, 2020

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Science

Quarter 2 – Module 12: Protection and Conservation of Environment

Introductory Message

This Self-Learning Module (SLM) is prepared so that you, our dear learners, can continue your studies and learn while at home. Activities, questions, directions, exercises, and discussions are carefully stated for you to understand each lesson.

Each SLM is composed of different parts. Each part shall guide you step-by-step as you discover and understand the lesson prepared for you.

Pre-tests are provided to measure your prior knowledge on lessons in each SLM. This will tell you if you need to proceed on completing this module or if you need to ask your facilitator or your teacher's assistance for better understanding of the lesson. At the end of each module, you need to answer the post-test to self-check your learning. Answer keys are provided for each activity and test. We trust that you will be honest in using these.

In addition to the material in the main text, Notes to the Teacher are also provided to our facilitators and parents for strategies and reminders on how they can best help you on your home-based learning.

Please use this module with care. Do not put unnecessary marks on any part of this SLM. Use a separate sheet of paper in answering the exercises and tests. And read the instructions carefully before performing each task.

If you have any questions in using this SLM or any difficulty in answering the tasks in this module, do not hesitate to consult your teacher or facilitator.

Thank you.



What I Need to Know

This module was designed and written with you in mind. It is here to help you master the skill in recognizing that there is a need to protect and conserve the environment **(S3LT-iii-j-16)**.

The scope of this module allows it to be used in many different learning situations. The language used recognizes the different vocabulary level of students. The lessons are arranged to follow the standard sequence of the course. But the order in which you read them can be changed to be similar with the textbook you are now using.

After going through this module, you are expected to be able to:

1. recognize that there is a need to protect and conserve the environment.
2. appreciate the value of protecting and conserving the environment.



What I Know

Directions: Read the statements carefully. Choose the letter of activity that shows good habits in protecting and conserving the environment. Write your answer in a separate sheet of paper. If you got all the questions correctly, you may skip the module, but if you got one mistake or more, please proceed with the module.

1. Alexander lives near the school. He walks to school every day. Which of the following activity shows a good habit of Alexander?

- a. Alexander walks every day to school.
 - b. Alexander rides his car in going to school.
 - c. Alexander rides his bicycle instead of walking.
 - d. Alexander rides a motorcycle in going to school.
2. Rheanne helps her mother in cleaning the house. She used to mop the kitchen floor every day. Which of the following can be used by Rheanne in mopping the floor?
- a. New clothes in cleaning the floor
 - b. New curtains in cleaning the floor
 - c. New towels in mopping the floor
 - d. Old towels in mopping the floor
3. Which of the following activity shows a good practice in protecting the environment?
- a. Regine throws candy wrappers anywhere.
 - b. Roneanne cuts the tree to be used as firewood.
 - c. Raeneil cleans the canal to make the water flow.
 - d. Rubelyn gathers the leaves after sweeping and burns them.
4. Barangay Marikit was once a beautiful place but the people living there do not take care of their place anymore. Which of the following activity should Barangay Marikit do to save and clean their place?
- a. Everybody will participate in clean and green activity.
 - b. People living in barangay Marikit will throw their garbage anywhere.
 - c. Only those living near the barangay will do the clean and green activity.
 - d. Children living in barangay Marikit will not follow what adults do in cleaning their place.
5. Girl Scouts of Mawab Central Elementary School are having their camping to help protect and save the environment.

Which of the following activities will **NOT** help in protecting the environment?

- a. Hiking
- b. Tree planting
- c. Mountain climbing
- d. Burning of mountain leaves

Lesson

1

Protection and Conservation of Environment



What's In

Living things need a healthy and liveable environment to meet their basic needs every day. There is a need to protect and conserve our surroundings to sustain the needs of the living things around us. Let us find out and recall these basic needs through this activity.

Activity: Find ME

Task: Look for the words inside the grid that you can connect or associate with how living things depend on the environment. Write the words on your answer sheet as soon as you find them.

AIR CLOTHING FOOD SHELTER WATER

S	H	E	L	T	E	R
C	O	O	L	E	R	I
L	O	D	I	W	O	V
O	D	A	L	A	T	E
T	B	I	Y	T	A	R
H	A	R	S	E	T	S
I	D	A	E	R	E	I
N	O	F	O	O	D	D
G	Y	S	W	S	S	E

Answer the following questions below. Do this in your notebook

1. What are the words you find on the grid?

2. How do living things depend on the surroundings?



What's New

Choose a picture!

Direction: Draw a like sign (👍) for practices on conserving and protecting the environment and dislike sign (👎) for practices that destroy our environment. Share your answer to your learning facilitator at home.



A



B



C



D



E



F



G



H



What is It



Save and Protect Mother Earth

By: Resurrecsion F. Angelo

Mother Earth is a place,
Where people live in peace.
Animals and plants need space,
To live and love with ease.



Let's take good care of our
surroundings

Fresh air, clean water and soil for
I ask you to help save and protect
these things

For they are God's gift to you and
your siblings

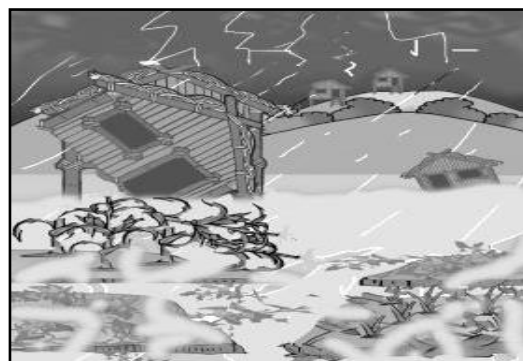


Let us help save and conserve our
environment

So that floods, typhoons and other
accident

Will not come to us and to our
fellowmen

This is our place, this is our home



Answer the given questions on your notebook:

1. What does the environment give us?
2. Why is there a need to protect and conserve the environment?
3. How will we protect and conserve the environment?

Let's see what you can do to the environment!

Direction: Read each of the situations aloud. Clap twice if you have experienced it and clap only once if you have not. Share your answers to your learning facilitator at home.

Plant more trees.
Trees absorb
pollution.

Save paper
Keep files in a
computer

Save Water.
Close the tap
when not in use.

Save electricity.
Switch off the light
when not in use

Say NO to plastic
bags. Use cotton
bags that are
reusable

Use carpooling.
Carpooling
reduces air
pollution and fuel
use

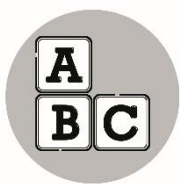
Do not throw your
garbage anywhere.
Use the trash can
and separate your
trash properly



Activity 1: Think of Me!

Direction: Check (✓) the box before the number if the statement shows conservation of environment and cross (X) if the statement harms the environment. Write your answer in a separate sheet of paper.

1. Roy and Ronie throw their banana peelings in the canal.
2. May and Marie sweep the leaves on the ground and decided to burn the leaves they gathered.
3. Classroom cleaners mix the biodegradable and non-biodegradable wastes in a trash can.
4. Barangay Mapagmahal does the Operation-Linis in the nearest river.
5. Scouts in Mabait Elementary School conducted tree planting near the riverside



What's More

Activity 1

Direction: List down the human activities that can harm the environment and living things. Write your answer on your notebook .



1. _____
2. _____
3. _____
4. _____
5. _____

Assessment 1:

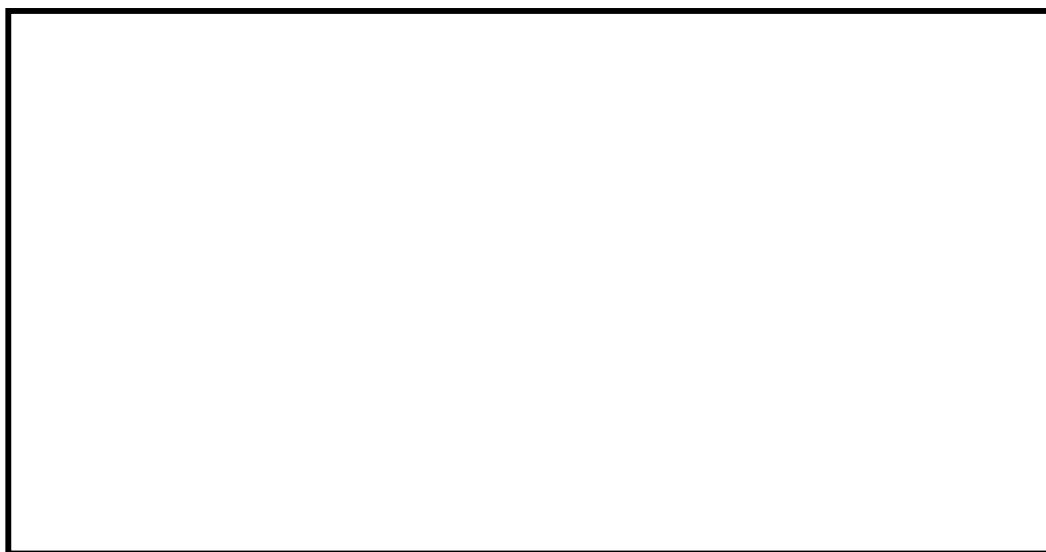
Activity 1

Directions: Read and decide whether you agree or disagree to the situations below. Write **AGREE** if the activity helps protect, save and conserve the environment and write **DISAGREE** if it harms the environment.

- _____ 1. Mother throws garbage anywhere without separating the biodegradable and non-biodegradable ones.
- _____ 2. Aunt Beckie brings her eco-bag every time she goes to the market.
- _____ 3. John Lloyd always forgets to close the faucet after taking a bath.
- _____ 4. Uncle Alberto puts a fence around the durian tree that he planted.
- _____ 5. Roel rides on his bike in going to church instead of using his car.

Activity 2

Draw a picture of your surroundings on a piece of bond paper. It should show how to protect and conserve the environment.



CATEGORY	RUBRICS		
	5	3	2
RELEVANCE	Drawings are related to the topic & make it easier to understand .	Drawings are related to the topic & most make it easier to understand .	Drawings are not related to the topic .
ORIGINALITY	Several of the drawings used reflect exceptional degree of student creativity in their creation and display	One or two drawings used reflect student creativity in their creation and display.	Drawings are made by the student but are based on the designs of others.

Answer the following questions:

1. Based on the picture you have created, share how are you going to protect and save the surroundings?

2. Name at least two things that you can do in protecting and saving your surroundings.

Assessment 2

Directions: Read the following situations below. If it protects and saves the environment draw a smiley face (😊). If it harms the environment, draw a sad face (😞).

_____ 1. Mariana waters the flowers everyday.

_____ 2. Greggry cuts the Narra tree to be used as a fence.

_____ 3. Kylah burns the gathered leaves that she swept on the yard.

- _____ 4. People living in Barangay Makulit plant vegetables in their garden.
- _____ 5. Grade three pupils were told to pick up pieces of cellophane in front of their classroom.

Activity 3

Task: Identify each of the following activities where they are most applicable: in your home, community, yard, or in shopping malls. Copy the table in your notebook and write the activity/ies on the appropriate column. A sample has been done for you.

Home	Community	Yard	Shopping
Turn your water off when brushing your teeth.			

- | | |
|-------------------------------|---|
| 1. Help plant trees. | 6. Use refillable water bottle. |
| 2. Do not burn leaves. | 7. Recycle plastic containers. |
| 3. Do not burn plastic. | 8. Compost leaves in the yard. |
| 4. Use reusable lunch boxes. | 9. Use reusable grocery or eco bags. |
| 5. Compost leaves in the yard | 10. Walk or ride a bike instead of driving. |

Assessment 3

Directions: Read and study the situations carefully. Choose the activity that protects and conserves the environment by connecting a line on the relevant statements on the left side.

Protection
and
conservation
of
environment

- throwing of candy wrappers anywhere
- tree planting near the riverside
- quarrying the sand and gravel in the river
- composting the decayed banana



What I Have Learned

Direction: Read the paragraph below. Complete the paragraph by filling in the blanks to complete the thought. Choose your answer from the box .

life environment plants harm
protect

The environment is composed of air, water and land. It consists of everything we see around like {1}. _____, animals, and people. It is like your home. This is the only planet that can support {2} _____. If we do not take care of the environment in our planet, we have no other planet to go to. If people will continue to do the activities that {3.} _____ it, it will result to a lot of problems like polluted air, soil and water. It will increase the effects of natural calamities like storms. Mountains without forest covers due to increased cutting of trees will result to deadly landslides and floods. These do not only result to damage of properties but result in the loss of human lives as well. We need to take care of

our environment to save lives. Let's see what you can do to {4.}
_____ and conserve the {5.} _____.



What I Can Do

Directions: Draw a happy face (😊) on your answer sheet if the statement is protecting and conserving the environment, if not, draw a sad face (☹).

- _____ 1. I save water wherever I go.
- _____ 2. I recycle paper, glass, and cans.
- _____ 3. I let the water flow from the faucet even I am not using it.
- _____ 4. I participate in protecting and conserving the environment in our purok.
- _____ 5. I avoid using products made by a company that will pollute the surroundings.



Assessment

Direction: Read the questions carefully. Choose the letter of the best answer.

1. Which of the following is NOT an activity which helps protect the environment?
 - a. Recycle plastic bottles.
 - b. Use electricity wisely.
 - c. Cut more trees in the mountain.
 - d. Make a better transport choice.

2. Which of the following is the best example of how you can conserve water at home?

- a. Take quick showers.
- b. Wash the car outside.
- c. Play with the water hose to stay cool.
- d. Fill up the bathtub to wash the dog.

3. The water supply is limited on Earth, we should _____ water, or use it wisely. Which of the following words best fills the blank?

- a. compress
- b. conserve
- c. evaporate
- d. pollute

4. Which of the following is an example of conservation?

- a. driving a car
- b. planting trees
- c. using lots of water
- d. building more roads

5. Why should I pick up cellophanes if I see it on the ground? I should pick up cellophanes because

_____.

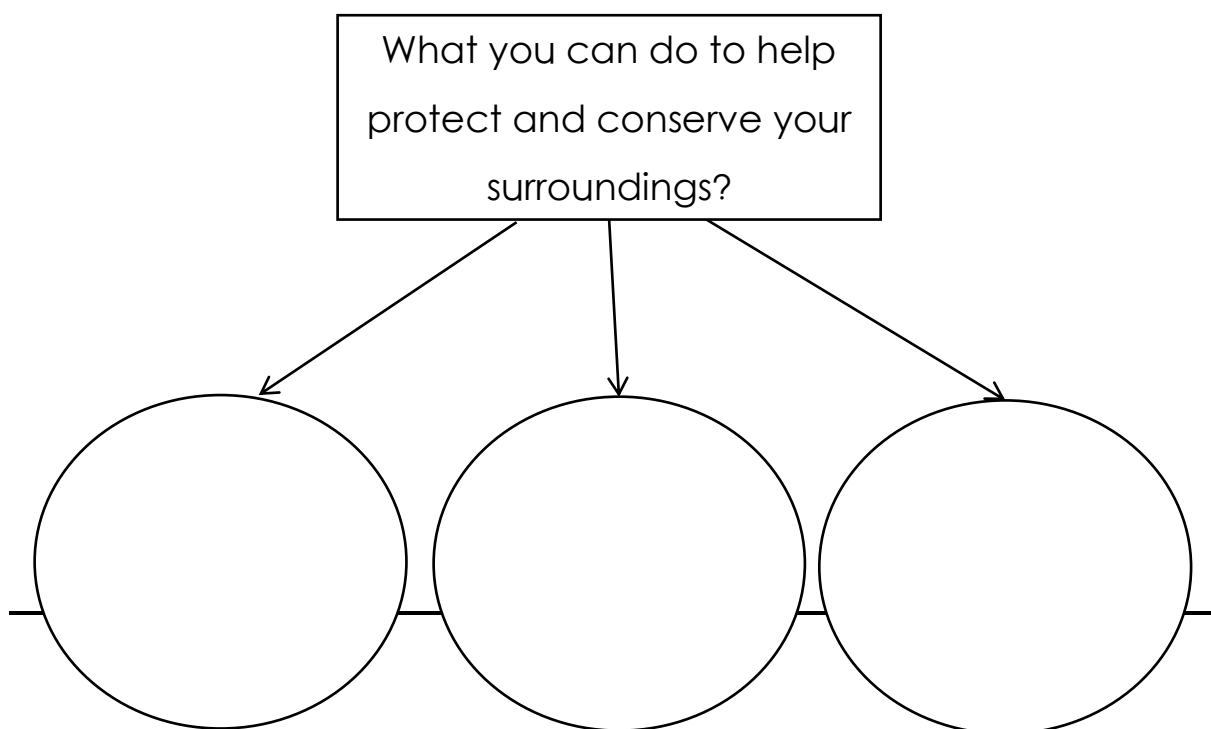
- a. they look nice
- b. they are helpful
- c. they are harmful
- d. they can be sold



Additional Activities

Activity: Filling the Graphic Organizer

Direction: Fill in the graphic organizer below based on what you can do as a student to help protect and conserve your surroundings. Choose your answers from the box below. Write them on your paper.





- *Save water
- *Save electricity
- *Do not burn leaves

- *Help plant trees
- *Do not throw cellophanes
- *Use reusable lunch boxes



Answer Key

What Is It 1-3 Answers may vary Activity: Think of Me 1. X 2. X 3. X 4. / 5. /	What's New Activity: Choose the picture Letters A, B, D, F G  Letters C, E, H 	What's In Activity: Find Me 1. FOOD, SHELTER, CLOTHING, WATER, AIR 2. They depend for food and shelter	What I Know Activity: Shade Me 1. B 2. D 3. C 4. A 5. D
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What's More Activity 2 Draw Me Challenge RUBRIC FOR THE TEACHER) RUBRICS <table> <tr> <th>CATEGORY</th><th>RELEVANCE</th><th>ORIGINALITY</th></tr> <tr> <td>5</td><td>Drawings are related to the topic & make it easier to understand</td><td>Several of the drawings used reflect exceptional student degree of creativity in their creation and display</td></tr> <tr> <td>3</td><td>Drawings are related to the topic & it easier to understand</td><td>One or two drawings are made by the student but are based on other designs of others.</td></tr> <tr> <td>2</td><td>Drawings are not related to the topic.</td><td></td></tr> </table>	CATEGORY	RELEVANCE	ORIGINALITY	5	Drawings are related to the topic & make it easier to understand	Several of the drawings used reflect exceptional student degree of creativity in their creation and display	3	Drawings are related to the topic & it easier to understand	One or two drawings are made by the student but are based on other designs of others.	2	Drawings are not related to the topic.		What's More Activity 1 Assessment 1 1. DISAGREE 2. AGREE 3. DISAGREE 4. AGREE 5. AGREE Activity 2 1. answers may vary 2. - Do not throw garbage anywhere. -Help plant trees. -Answers may vary	What's More Activity 1 1. cutting trees 2. throwing garbage into the river 3. dirty smokes from factories 4. mining 5. quarrying -answers may vary Assessment 1 1. DISAGREE 2. AGREE 3. DISAGREE 4. AGREE 5. AGREE Activity 2 1. answers may vary 2. - Do not throw garbage anywhere. -Help plant trees. -Answers may vary
CATEGORY	RELEVANCE	ORIGINALITY												
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2	Drawings are not related to the topic.													

What's More	Activity3	Home	Do not burn leaves.	Community	Help plant trees.	Yard	Compost leaves in the yard.	Shopping	Use reusable grocery bags.
		Recycle plastic containers.	Walk or ride a bike instead of driving.						
		Use reusable lunch boxes.	Throw cellophanes in non-biodegradable garbage can.						
		Use refillable water bottle.	Do not throw empty plastic bottle anywhere when having your picnic.						
		Turn your water off when brushing your teeth.							

Assessment 3

- throwing of candy wrappers anywhere
- tree planting near the river side
- quarrying the sand and gravel in the river
- composting the decayed banana peelings
- cleaning drainage canals

Protection and conservation of environment

Assessment

1.C

2.A

3.B

4.B

5.C

What I Can Do

1.

2.

3.

4.

5.

What I Have Learned

1. plants

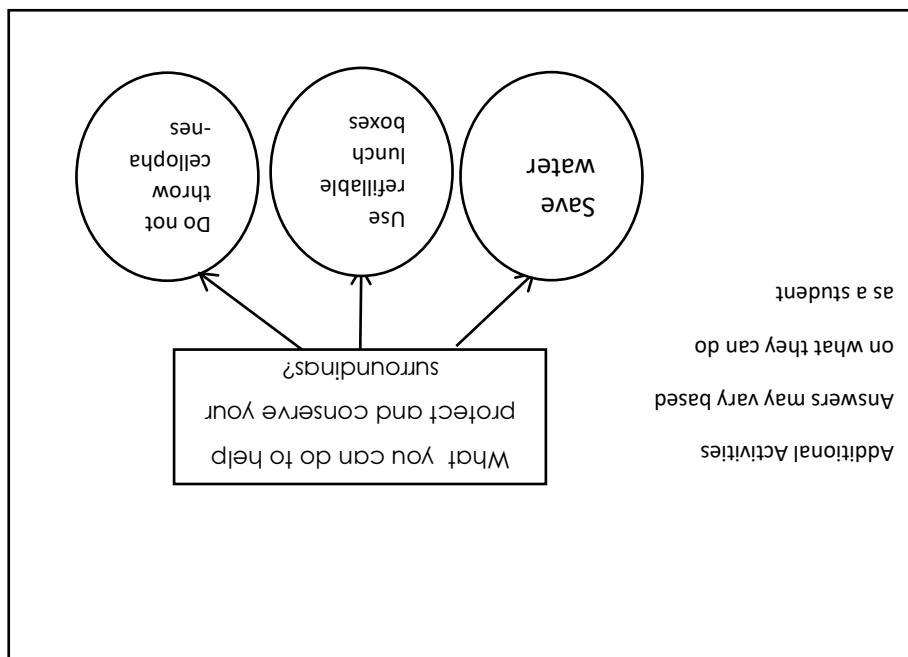
2. life

3. harm

4. protect

5. environment

2. I



References

Balagtas, Marilyn et. al. Growing with Science and Health 3, Manila Philippines: Rex Printing Company, Inc.,2008

Sacatropes, Arthur et. al. Science3 Teacher's Guide. Meralco Avenue, Pasig City Philippines. Rex Bookstore, Inc.

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