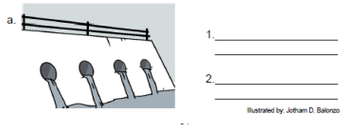
GRADES 1 to 12 DAILY LESSON LOG	School:		Grade Level:	IV
	Teacher:	File Created by DepEd Click	Learning Area:	SCIENCE
	Teaching Dates and Time:	SEPTEMBER 19-23, 2022 (WEEK 5)	Quarter:	1st Quarter

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
I. OBJECTIVES					
A .Content Standards		The learners demonstrate understanding of changes that materials undergo when exposed to certain conditions.			
B .Performance Standards		The learners able to evaluate whether changes in materials are useful or harmful to one's environment			
C. Learning Competencies/ Objectives	Describe changes in properties of materials when exposed to certain conditions such as temperature or when mixed with other materials. **S4MT-Ig-h-6**				
II. CONTENT	"Changes in Materials that are Useful and Harmful to one's Environment" 1. identify changes in the materials that are useful and harmful to the environment; 2. describe the harmful effects of the changes in the materials to the environment; and 3. suggest some ways of preventing/minimizing the harmful effects of the changes in the materials to the environment.				
III. LEARNING RESOURCES					
A. References					
1. Teacher's Guide pages					
2. Learner's Materials pages					
3. Textbook pages					
4. Additional Materials from Learning Resource (LR) portal					
B. Other Learning Resources / materials					
IV. PROCEDURES					
	WHAT'S IN: Directions: Identify if the following changes in the materials are useful or harmful. Do this in your notebook. _____1. burning of old tires _____2. shaping pieces of wood into chair	**WHAT'S IS IT** **Points to Remember:** 5R's of Responsible Waste Management 1. Reduce • • Buy items in refillable containers • • Use cloth bag/eco bag/paper bag/native baskets instead of plastic bag, when you buy groceries.	**WHAT I CAN DO:** Directions: Answer the question briefly. Write your answer in your Science notebook. You and your friend are drinking bottled water while walking home one day. You noticed that after your friend drank the water, he threw the bottle to the sidewalk. What will you say to your friend and what will you suggest to avoid	**ASSESSMENT** A. Directions: Identify two harmful effects that the following pictures might have to the environment. Write your answers in your notebook.  	**Weekly Test**

_____3. throwing of kerosene and detergents into the sewage

_____4. turning empty plastic bottles into beautiful flower vase

_____5. cutting piece of cloth to be made into handkerchief

B. Directions: Describe what will happen if you combine the following mixtures. In your Science notebook, write CM for completely mixed and NCM for not completely mixed.

1. flour and oil - _____
2. water and salt - _____
3. sugar and alcohol - _____
4. vetsin and vinegar - _____
5. detergent powder and water - _____

• • Avoid buying disposable items or single use products such as batteries, razors, utensils, plates, cups, etc.

2. Reuse

• • Donate or sell re-usable items.
• • Use both sides of paper when printing and re-use as scratch paper, gift wrapper, etc.
• • Consider the potential life span or durability when buying new products.
• • Buy durable food/storage containers and reuse them instead of using foil and plastic bags/wrap.

3. Recycle

• • Do not throw away used newspaper or used writing pads. Sell them or bring them to paper mills which can turn them into usable paper again.
• • Used bottles, tin cans, and rubber tiles can be recycled into useful materials.

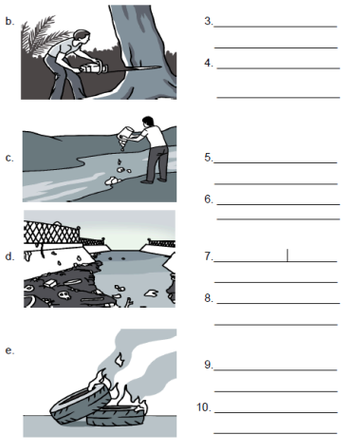
4. Repair

• • Have appliances, office equipment, lighting fixtures, and automotive parts repaired instead of buying new ones.
• • Have an old furniture reupholstered or refurbished instead of buying new ones.

5. Rot

• • Set up a compost pile to compost your yard trimmings.

harmful effects of throwing garbage like that in the sidewalk??

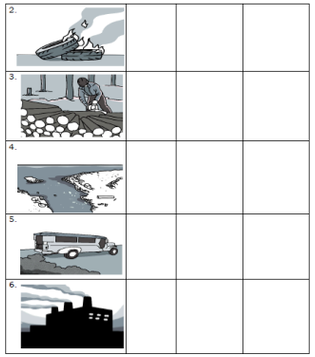


B. Directions: Choose the correct answer from the box and write it in your notebook.

reduce	reuse	recycle	repair	rot

_____1. Buy items in refillable items.
_____2. Donate or sell re-usable items.
_____3. Used bottles, tin cans, rubber tires can be recycled into useful materials.
_____4. Have an appliance, office equipment, lighting fixtures, and automotive parts repaired instead of buying new ones.
_____5. Make a compost pit/bin in the yard for your biodegradable materials such as fruits, vegetables, coffee grinds, etc.

		• • Make a compost pit/bin in the yard for your biodegradable materials such as fruits, vegetables, coffee grinds etc.			
	WHAT'S NEW: Directions: Perform the different activities indicated in this module. Write your answers on your Science notebook. Activity 1: "What are the Harmful Effects of the Changes in the Materials to the Environment?" What you Need: 1 piece long size bond paper What to Do: 1. Study the pictures on the table shown below. 2. Describe what is shown in each of the given pictures. Write your answers on column 2. 3. Describe also its harmful effect to the environment by filling up column 3. 4. Enumerate some ways of preventing/minimizing its effect to the environment by filling up column 4. Picture showing changes in the material / What does the picture show / What is its effect to the environment? / What can people do to prevent/ minimize its harmful effect to the environment? 1. 	**WHAT'S MORE** Directions: Match the following pictures to their corresponding effects. Write the letter of the correct answers in your notebook. **Activity 1: "Match My Effects"** —1.  —2.  —3.  —4.  —5.  a. It affects the quality of the air that we breathe. It causes rapid change in temperature. b. Polluted land serves as breeding places for flies, cockroaches, rats which carry germs that cause diseases. c. The smoke and toxins from the household garbage that enter the air also contribute to the greenhouse effect and global warming. d. When the surrounding air is blanketed with smoke from factories and motorized vehicles, the air becomes polluted and can cause skin itchiness, lung infections,		

	 **Guide Questions:** 1. What does each picture show? 2. What is its effect to the environment? 3. What can people do to prevent/minimize its effect to the environment?	cancer, and other respiratory diseases. e. The river becomes polluted and can cause diseases to fish, water plants and even humans.			
J. Additional activities for application or remediation					
V. REMARKS					
VI. REFLECTION					
A. No. of learners who earned 80% on this formative assessment	Jose Rizal _____ Ninoy Aquino _____	Jose Rizal _____ Ninoy Aquino _____			Jose Rizal _____ Ninoy Aquino _____
B. No. of learners who require additional activities for remediation	Jose Rizal _____ Ninoy Aquino _____	Jose Rizal _____ Ninoy Aquino _____			Jose Rizal _____ Ninoy Aquino _____
C. Did the remedial lessons work? No. of learners who have caught up the lesson	Yes ☐ No ☐ Jose Rizal _____ Ninoy Aquino _____	Yes ☐ No ☐ Jose Rizal _____ Ninoy Aquino _____			Yes ☐ No ☐ Jose Rizal _____ Ninoy Aquino _____
D. No. of learners who continue to require remediation	Jose Rizal _____ Ninoy Aquino _____	Jose Rizal _____ Ninoy Aquino _____			Jose Rizal _____ Ninoy Aquino _____

E. Which of my teaching strategies worked well? Why did these work?					
F. What difficulties did I encounter which my principal or supervisor help me solve?					
G. What innovation or localized materials did I used/discover which I wish to share with other teacher?					