

3



Activity Sheets for Science

Quarter 1

Week

5

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Activity Sheets for Science Grade 3

Quarter 1: Week 5

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The Department of Education would like to extend its sincere appreciation and gratitude to the United States Agency for International Development and RTI International through its ABC+ Project and UNICEF for supporting and providing technical assistance in the development of the MATATAG learning resources.

Published by the Department of Education

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Learning Area:	SCIENCE	Quarter:	1
Week:	5	Day:	1
Lesson Title/Topic:	Changes in Materials when they're Disposed of		
Name:		Grade & Section:	3

Activity 1. What changes happen to materials when they are disposed of?

Materials Needed:

2 sets of the following materials (one fresh and one from the trash bin):

- notebook paper
- piece of cardboard
- plastic bag
- juice carton
- soda can
- glass bottle
- banana peel
- slice of bread
- sanitary kit (gloves, face mask, soap/alcohol)

Duration: 15 minutes

Instructions:

Step 1 - Wear a face mask and a pair of gloves before the start of the activity.

Step 2 - Copy the table below onto a manila paper.

Material	What did the material look like <u>before</u> they were disposed of?	What do the materials look like three days <u>after</u> they are disposed of?

Step 3 - Observe each of the given materials assigned to your group. Record your observations on the table in your Science notebook.

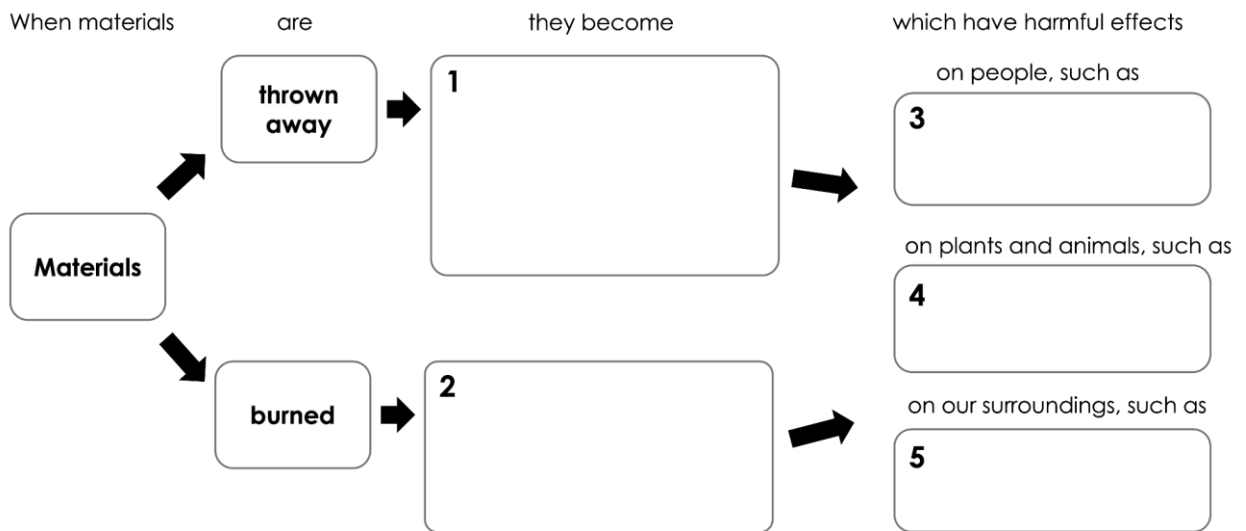
Step 4 - Wash your hands properly after the activity.

Questions. Answer the following questions as a group.

1. Did the materials assigned to your group change a lot after they were disposed of?
2. In what ways did the materials change?
3. What change is common to the materials you observed in the activity?

Changes that Occur in Materials When they are Disposed of and Burned

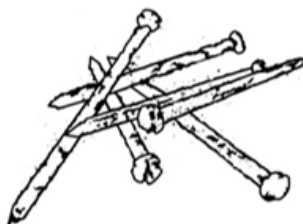
Materials can be thrown away or burned. When this happens, these materials change. Sometimes, these changes can harm people, animals, plants, and our environment. This concept map shows what we will learn this week. We will fill in the boxes as we go through our lessons.



Seatwork

Mina's Trash

Mina is picking up the trash from her house for garbage collection this weekend. Here are the things she found. Describe how each thing changed after it was thrown away.



What change happened to the material?

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Learning Area:	SCIENCE	Quarter:	1
Week:	5	Day:	2
Lesson Title/Topic:	Changes in Materials when they're Burned		
Name:		Grade & Section:	

Activity 2. What happens when we burn materials from our home?

Materials Needed:

- sheets of paper
- matchsticks or lighter
- juice cartons
- face mask
- leaves
- pail of water
- twigs or small branches

Duration: 15 minutes

Instructions:

Step 1 - Copy the table below on a manila paper.

Material	Describe the material <u>before</u> they were burned.	Describe the material <u>while</u> they are burning.

Step 2 - Look closely at each material given. Write down what you see on the second column of the table in your group's manila paper.

Step 3 - Wear a face mask and stand ten steps away from your teacher during the demonstration. Go near the demonstration table only when the teachers call on you.

Step 4 - Watch carefully as the materials are burned. Stretch your hand a few centimeters away from the burning object, but do not touch it. Write down what you notice happening in your notebook.

Questions. Answer the following questions as a group.



1. What changes are common to all of the materials you observed in the activity?

Seatwork

Burn them all!

Below are pictures of things you find at home.

In the second column, draw what you think would happen if these things were burned. Under your drawings, describe how each material changed.

No.	Material	What will the material look like while burning?
1		
2		

Learning Area:	SCIENCE	Quarter:	1
Week:	5	Day:	3
Lesson Title/Topic:	Harmful Effects of Improper Trash Disposal and Burning Household Materials		
Name:		Grade & Section:	3

Activity 3 Part 1. What happens if we throw trash in the wrong places and burn household materials?

Materials Needed: pictures for the Gallery Walk

Duration: 10 minutes

Instructions:

Step 1 - Visit the gallery prepared by your teacher inside the classroom. Examine the five pictures displayed in the gallery.




Step 2 - Describe what you see in the picture. Record your observations in your Science notebook.



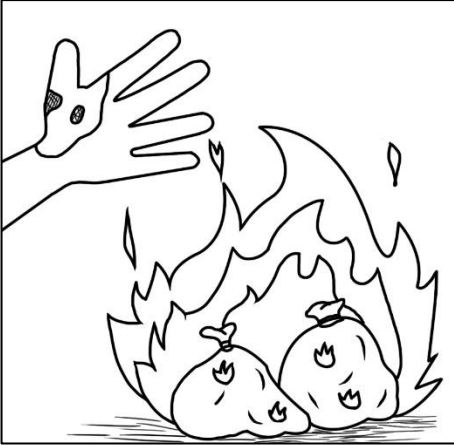
Step 3 - Discuss your observations with your groupmates.

Questions. Answer the following questions as a group.

1. What is the material found in the picture?
2. Where is the material found in the picture?
3. What harmful effect do you observe in the picture?

Pictures for Activity 3a Gallery Walk

No.	Picture
1	 A black and white line drawing of a man walking across a crosswalk on a city street. He is wearing a short-sleeved shirt, trousers, and a backpack. To his left, a car is partially visible. In the background, there are several buildings and a traffic light on a pole. The sky has a few clouds.
2	 A black and white line drawing of a man standing on a beach. He is wearing a tank top and shorts. Behind him are waves and a palm tree with coconuts. In the foreground, there is a small pile of what looks like a dog or a pile of clothes on the sand.
3	 A black and white line drawing of a woman sitting at a table. She has a sad expression and is holding her stomach. On the table in front of her is a plate of food, including what looks like a sandwich and some vegetables. A chair is visible behind the table.



4	 A black and white line drawing of a young boy in a t-shirt, coughing into his hand. He is standing in front of a large fire. Two bags are visible in the flames, one of which has a small flame on its side.
5	 A black and white line drawing of a girl in a dress being examined by a nurse in a uniform. The nurse is holding a stethoscope to the girl's arm. A thought bubble above the girl shows a small airplane flying in the sky.
6	 A black and white line drawing showing a hand reaching out from the left towards a fire. Two bags are visible in the flames, similar to the scene in panel 4.

Seatwork

Which can hurt people?

Look at the following pictures.

Name the material in each picture and explain how it can be bad for people's health and safety.

	<p>Material in the picture: _____</p> <p>What happened to the person in the picture because of the material? _____</p>
	<p>Material in the picture: _____</p> <p>What happened to the person in the picture because of the material? _____</p>

Activity 3 Part 2. What happens if we throw trash in the wrong places and burn household materials?

Materials Needed: pictures for the Gallery Walk

Duration: 10 minutes

Instructions:

Step 1 - Visit the gallery prepared by your teacher inside the classroom. Examine the pictures assigned to your group.




Step 2 - Describe what you see in the picture. Record your observations in your Science notebook.

Step 3 - Discuss your observations with your groupmates.

Questions. Answer the following questions as a group.

1. What material can be found in the picture?
2. How does the material affect the animals in the picture?
3. How does the material affect the plants in the picture?
4. How does the material affect the surroundings in the picture?

Pictures for Activity 3b

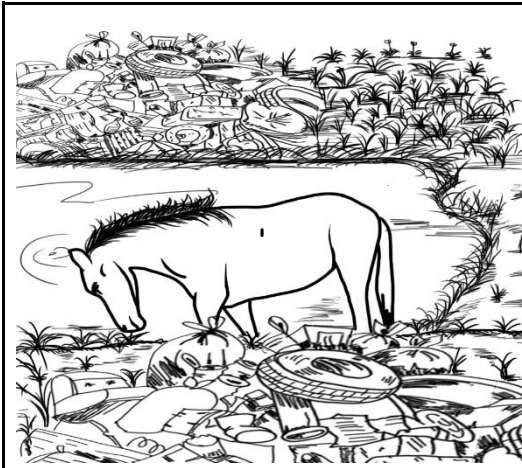
No.	Picture
1	 A black and white line drawing of a dog standing on the grassy bank of a stream. The stream is filled with various pieces of trash, including plastic cups, paper, and a can. The dog is looking down at the trash in the water.
2	 A black and white line drawing of a dog standing next to a large, messy pile of trash. The trash includes a broken bottle, a can, and other unidentifiable debris. The dog is sniffing the pile.
3	 A black and white line drawing of a dog standing next to a large pile of trash that is on fire. The dog is looking at the fire with a concerned expression. A small, fluffy dog is sitting on the ground in front of the larger dog.

Seatwork

Harmful Effects on the Environment

Look at the following pictures.

Name the material in each picture, describe how it changed, and explain how it can be bad for animals, plants, and/or surroundings.



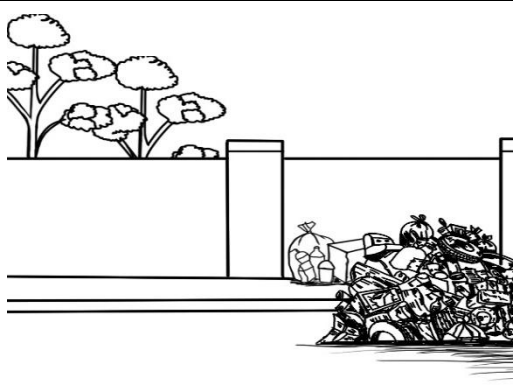
Material in the picture:

What happened to the animal in the picture because of the material?



Material in the picture:

What happened to the plant in the picture because of the material?



Material in the picture:

What happened to the surroundings in the picture because of the material?
