

**7**

# Learning Activity Sheet for Science

**Quarter 4**

**Lesson**

**1**

GOVERNMENT PROPERTY  
**NOT FOR SALE**

**Worksheet for Science Grade 7**  
**Quarter 4: Lesson 1 (Week 1)**  
**SY 2023-2024**

This material is intended exclusively for the use of teachers participating in the implementation of the MATATAG K to 10 Curriculum during the School Year 2023-2024. It aims to assist in delivering the curriculum content, standards, and lesson competencies. Any unauthorized reproduction, distribution, modification, or utilization of this material beyond the designated scope is strictly prohibited and may result in appropriate legal actions and disciplinary measures.

Borrowed content included in this material are owned by their respective copyright holders. Every effort has been made to locate and obtain permission to use these materials from their respective copyright owners. The publisher and development team do not represent nor claim ownership over them.

**Development Team**

**Writers:** Loreza M. Argente (Balian Integrated National High School)

**Validator:** Marc Vener C. Del Carmen (Philippine Normal University)

**Management Team**

Philippine Normal University  
Research Institute for Teacher Quality  
SiMERR National Research Centre

Every care has been taken to ensure the accuracy of the information provided in this material. For inquiries or feedback, please write or call the Office of the Director of the Bureau of Learning Resources via telephone numbers (02) 8634-1072 and 8631-6922 or by email at [blr.od@deped.gov.ph](mailto:blr.od@deped.gov.ph).

## LEARNING ACTIVITY SHEET

<b>Learning Area:</b>	Science 7	<b>Quarter:</b>	4th Quarter
<b>Lesson No.:</b>	1	<b>Date:</b>	
<b>Lesson Title/ Topic:</b>	Introduction to Earthquakes and Faults		
<b>Name:</b>		<b>Grade &amp; Section:</b>	

### I. Activity No. 1: Map Me! (20 mins)

**II. Objective(s):** At the end of the activity, you should be able to map the listed places, analyze their location, and relate it to their seismic activity.

**III. Materials Needed:** world map/globe, marker

### IV. Instructions:

1. Locate the following countries on the map/globe with a marker.

- |               |               |
|---------------|---------------|
| o Japan       | o Turkey      |
| o Indonesia   | o Peru        |
| o China       | o U.S.        |
| o Philippines | o Italy       |
| o Iran        | o New Zealand |

2. Analyze the location of the marked countries, then, answer the guide questions that follow.

### Guide Questions:

- What do you notice about the location of the places listed above?
- How is the location of the places related to its seismic activity?

### Rubric or Score Guide

Advanced (5 points)	Proficient (4)	Early Proficient (3)	Emerging (2)	Needs Improvement (1)
the listed places were located, and the answers were well-organized and completely explained in detail.	the listed places were located, and the answers were well-organized and completely explained, but not in detail.	the listed places were located, and the answers were somewhat organized and explained but not in detail.	the listed places were located, but the answers were not organized and not explained in detail.	6 places were located, and the answers were not organized and not explained in detail.

## LEARNING ACTIVITY SHEET

<b>Learning Area:</b>	Science 7	<b>Quarter:</b>	4th Quarter
<b>Lesson No.:</b>	1	<b>Date:</b>	
<b>Lesson Title/ Topic:</b>	Introduction to Earthquakes and Faults		
<b>Name:</b>		<b>Grade &amp; Section:</b>	

**I. Activity No. 2: A Walk to the Different Faults (20 mins)**

**II. Objective(s):** At the end of the activity, you should be able to describe the different types of faults, use illustrations to explain how movements along faults generate earthquakes, and identify the most common types of faults in the Philippines.

**III. Materials Needed:** diagrams of different types of faults with descriptions, pen

**IV. Instructions:**

You will fill in the table below with the correct information by moving from one station to another. A maximum of 5 minutes per station will be given to you and your group.

Station	Type of Fault	Fault Plane Angle	Direction of Slip	Generation of Seismic Activity
1				
2				

3				
---	--	--	--	--

**Guide Questions.** Answer these questions using complete sentences.

1. What are the three (3) general types of faults?

---



---

2. What are the most common types of faults found in the Philippines?

---



---

3. How will you describe the movements of the plates in which the Philippines is located?

---



---



---

4. How do the movements along faults generate earthquakes in each type of fault?

1. 

---
2. 

---
3. 

---

#### **Rubric or Score Guide**

Advanced (5 points)	Proficient (4)	Nearly Proficient (3)	Emerging (2)	Needs Improvement (1)
All of the required fields were answered, and the answers to guide questions were well-organized and completely explained in detail.	All of the required fields were answered, and the answers were well-organized and completely explained, but not in detail.	Some of the required fields were answered, and the answers were somewhat organized and explained but not in detail.	Some of the required fields were answered, but the answers were not organized and not explained in detail.	Few of the required fields were answered, and the answers were not organized and not explained in detail.