

LEARNING ACTIVITY SHEETS

Grade 9– Science

Name: _____ Date: _____ Rating/Score: _____

FACTORS AFFECTING CLIMATE

A. Science Story

DIRECTIONS: Read the story and answer the guide questions.

Anna is an American traveller. She cannot tolerate the winter in her country so she decided to visit the Philippines. When she arrived, she stayed first in Metro Manila where she suddenly felt temperature changes. So, she decided to move to Baguio to feel the cold weather. While traversing the winding roads up to the mountain top, she felt the cold winds. She was amazed because it is much cooler there than in Metro Manila. After staying there for a few hours, she opted to travel farther north and went to Cagayan. Unfortunately, there was a typhoon during her stay. She observed that the people were not badly affected due to Sierra Madre's mountain ranges. After the typhoon, she headed to Boracay to experience its majestic white beach. As soon as she arrived, she noticed that it was warmer on land farther from the sea than when she stayed in the resort along the coastal areas.

Guide Questions:

1. When Anna went to the Philippines, she experienced a sudden temperature change. What factor affects its climate change?
2. How does latitude affect the climate in relation to Anna's travelling experience?
3. How did Sierra Madre mountain ranges help minimize the impact of the typhoon? Cite the factors.
4. How do you compare climate on land and climate near the sea ?
5. Why do you think some locations that are distant from bodies of water have extreme climate?

Specific Week: 5 (LAS 3)





Target Competency: Explain how different factors affect the climate of an area (S9ES-III-f-30)

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B. GLOBAL CLIMATE PHENOMENA

DIRECTIONS: Fill the table with the needed information about the different global climatic phenomena.

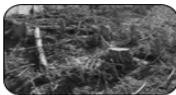



Global Phenomena	Global Warming  https://tinyurl.com/y5w5s5l4	Climate Change  https://tinyurl.com/y4r3l99r	El Niño  https://tinyurl.com/y6bkze8n	La Niña  https://tinyurl.com/y6y4o3uw
Description	A recent and ongoing rise in global average temperature near the Earth's surface.	_____	This happens when the temperature in the eastern Pacific rises above normal.	_____
Causes	1. Burning Fossil fuels 2. _____	1. _____ 2. Volcanic eruption	1. Weaker trade winds 2. _____	1. _____ 2. intense upwelling of cold water
Effects	1. Melting Glaciers 2. _____	1. Biodiversity depletion 2. _____	1. Drought 2. _____	1. Extreme flooding 2. _____

Think and Reflect:

Did implementation of the travel ban during the Covid-19 improve the condition of the environment? Cite your personal experiences that support your answer.

C. I could, We could!

DIRECTIONS: Analyze the causes of global warming as shown in the pictures. Write your ideas on how you, the government, and the world could lessen the impacts of global warming on the box provided

Global Warming Causes	
 https://tinyurl.com/yxwmicp6	Deforestation I could _____ The government could _____ The world could _____
 https://tinyurl.com/yxwmicp6	Burning Fossil fuel I could _____ The government could _____ The world could _____
 https://tinyurl.com/y6l9r29s	Vehicle pollution I could _____ The government could _____ The world could _____
 https://tinyurl.com/y3xsnwz	Quarrying I could _____ The government could _____ The world could _____

Specific Week: 6-7 (LAS 3)

Target Competency: Describe certain climatic phenomena that occur on a global level
(S9ES-III-f-31)

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