LEARNING ACTIVITY SHEET Grade – 9 SCIENCE

Name:	Date:	Rating/Score	

ENERGY FROM VOLCANO

A. Guess what?

DIRECTIONS: Complete the crossword puzzle about geothermal energy.

Across: 1. connected to a turbine 3. produced from the heat inside the Earth 5. use heat from the Earth's interior 10. ranks third in 2019 geothermal energy production	Ġ	⁸ P	³ S ²		⁶ V	
Down: 2.Geo means 4. produced by geothermal energy 6. an opening in Earth's crust 7. location of Tiwi power plant 8. geothermal source is found in the Ring of Fire 9. Geothermal energy is a energy.	⁹ R			7A		

B. Locate Me!

DIRECTIONS: Plot the following volcanoes and geothermal power plants on the map below. Answer the following questions.

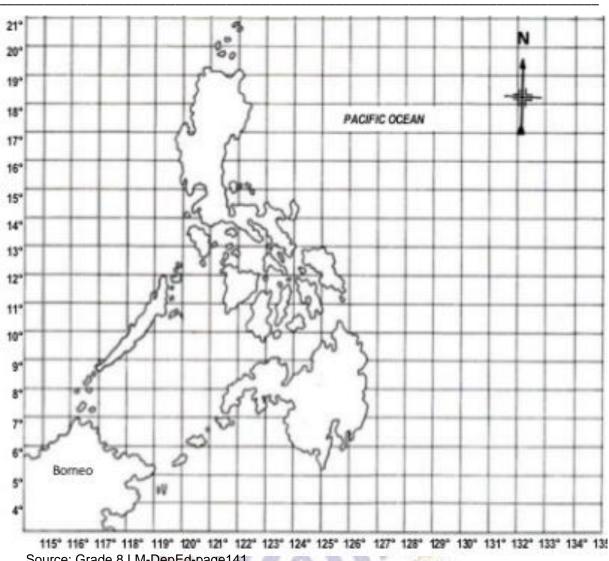
Volcanoes	Latitude, Longitude
Makiling	14.14°N, 121.19°E
Banahaw	14.07°N, 121.49°E
Mayon	14.25°N, 123.68°E
Bulusan	12.77°N, 124.06°E
Apo	6.99°N, 125.27°E
Malinao	13.41°N, 123.61°E

Geothermal Power Plant	Latitude, Longitude				
Tiwi	13.47°N, 123.64°E				
Mak Ban	14.08°N, 121.22°E				
Mt. Apo	7.03°N, 125.22°E				
Bac Man	13.05°N,123.96°E				

Specific Week: Week 3-4

Target Competency: Illustrate how energy from volcanoes may be tapped for human use (S9ES-111c-d-28)

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Source: Grade 8 LM-DepEd-page141

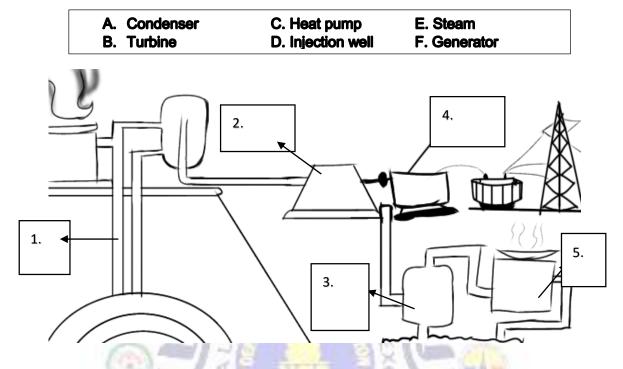
Guide Questions:

- 1. What landforms can be found near geothermal power plant?
- 2. How is geothermal energy related to volcanoes?
- 3. How is energy from the volcanoes generate electricity?
- 4. Why is geothermal energy renewable?
- 5. What makes the Philippines as one of the world's top producers of geothermal power?

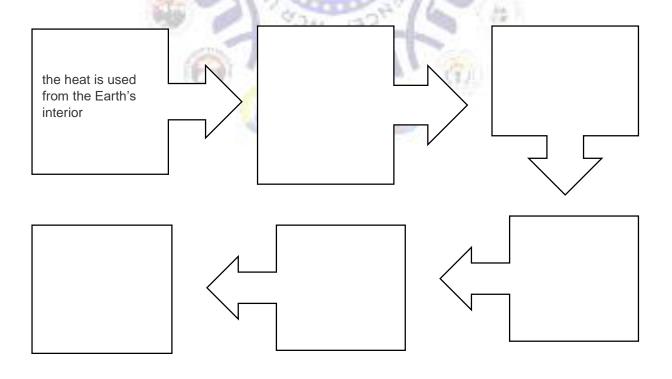
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C. How do I work?

1. DIRECTIONS: Label the parts of the geothermal power plant. Write the letter of the correct answer.



2. DIRECTIONS: Complete the chart below to show how energy is transformed to generate electricity in a geothermal power plant.

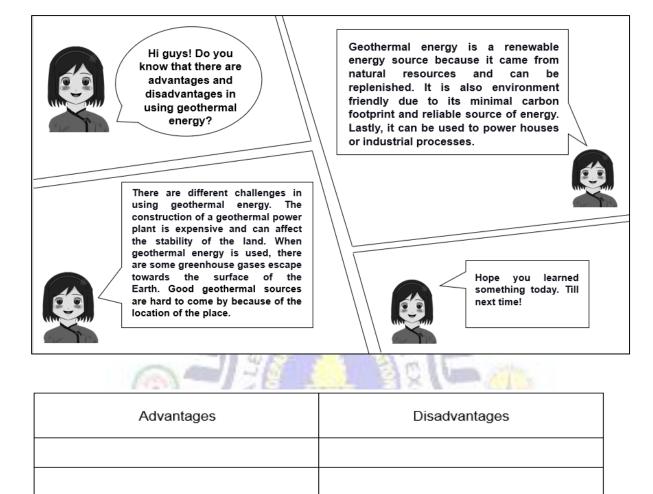


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3. DIRECTIONS: Based on the comic strip, summarize the advantages and disadvantages of geothermal energy.



Think and Reflect:

There is a rising demand for the use of electricity in the household. Will you recommend the use of geothermal energy in the National Capital Region? Explain your answer.