**LEARNING ACTIVITY SHEET IN SCIENCE 9**

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| Name of Learner; | Josh Levin M. Lopez | Score: |  |
| Grade and Section: | 9-ALL | Week & Date: | **4/14/21** |

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| **Title of the Topic:** | **Climate** | | |
| **Most Essential Learning Competency:** | | **Code:** | **S9ES-IIIf-31** |
| * Describe certain climatic phenomena that occur on a global | | | |
| **I. Concept Notes: (30 points)** *(Contents needed for the learners to understand the topic. Brief discussion of the lesson, if possible cite examples)* | | | |
| Contains the following topics:   * Volcanoes: Types, parts * Active and inactive volcanoes in the Philippines * Types of volcanic eruptions * Precautionary measures for volcanic eruption * Generate energy through volcano | | | |
| **II. Learning Activities:** | | | |
| 1. **Learning Activity 1:**   **1A: Long Term or Short Term (35 points)**  Direction: EXAMINE the pictures below. Write **X** under the column of **Climate if it shows** climate, (a long – term atmospheric condition of a certain area. And write  **⁄** under the column **Weather if it describes weather**( a short term of atmospheric condition of a certain area  ( typically within a week or less). Write your reason/s why in the column **Reason/s**.  Table 1   |  |  |  |  | | --- | --- | --- | --- | | Picture | **CLIMATE** | **WEATHER** | **Reason/s** | | **Source:** [Free Images : landscape, air, wind, jungle, weather, dust, terrain, savanna, climate, windy, sandstorm, ecosystem, cyprus, wadi, screenshot, natural environment, arecales 4525x2545 - - 496973 - Free stock photos – PxHere pxhere.com](https://www.google.com/url?sa=i&url=https%3A%2F%2Fpxhere.com%2Fen%2Fphoto%2F496973&psig=AOvVaw3RgEZkiQxpuLVUro7O3wiS&ust=1597905048830000&source=images&cd=vfe&ved=2ahUKEwjwzOqn0qbrAhXCIaYKHYWyDtwQr4kDegQIARBy" \o "Free Images : landscape, air, wind, jungle, weather, dust, terrain,  savanna, climate, windy, sandstorm, ecosystem, cyprus, wadi, screenshot,  natural environment, arecales 4525x2545 - - 496973 - Free stock photos -  PxHere" \t "_blank)  1. A windy weekend |  |  |  | | Source:[Free photo Sky Sun Blue Dark Clouds Rays Weather - Max Pixelmaxpixel.net](https://www.google.com/url?sa=i&url=https%3A%2F%2Fwww.maxpixel.net%2FSky-Sun-Blue-Dark-Clouds-Rays-Weather-1365325&psig=AOvVaw0vqksr7of-3Q8z3pEJXh5f&ust=1597905446192000&source=images&cd=vfe&ved=2ahUKEwjO06fl06brAhWKG6YKHVkrD1oQr4kDegUIARCIAQ" \o "Free photo Sky Sun Blue Dark Clouds Rays Weather - Max Pixel" \t "_blank)  2. Dark cloudy sky yesterday. |  |  |  | | **Source:** [Free Images : atmosphere, weather, storm, lightning, thunder, thunderstorm, radius, relampago 4928x3264 - - 756102 - Free stock photos – PxHere pxhere.com](https://www.google.com/url?sa=i&url=https%3A%2F%2Fpxhere.com%2Fen%2Fphoto%2F756102&psig=AOvVaw0myCv1uiSjxW-mFoHm2Jxf&ust=1597905894723000&source=images&cd=vfe&ved=0CFoQr4kDahcKEwigppbQ1abrAhUAAAAAHQAAAAAQBQ" \o "Free Images : atmosphere, weather, storm, lightning, thunder, thunderstorm,  radius, relampago 4928x3264 - - 756102 - Free stock photos - PxHere" \t "_blank)  3. Thunderstorms during afternoon |  |  |  | | **Source:** [woman and girl standing while holding umbrella during rainy day free image | Peakpx peakpx.com](https://www.google.com/url?sa=i&url=https%3A%2F%2Fwww.peakpx.com%2F623061%2Fwoman-and-girl-standing-while-holding-umbrella-during-rainy-day&psig=AOvVaw1Y8iw3KBfks3MgBE4gBXAx&ust=1597908236584000&source=images&cd=vfe&ved=0CAYQr4kDahcKEwjQqtqq3qbrAhUAAAAAHQAAAAAQAg" \o "woman and girl standing while holding umbrella during rainy day free image  | Peakpx" \t "_blank)  4. Rainy days during the month of May to July    **Source:** [El nino soil | Pikrepo pikrepo.com](https://www.google.com/url?sa=i&url=https%3A%2F%2Fwww.pikrepo.com%2Ffpxnk%2Fel-nino-soil&psig=AOvVaw0ntJTBkNSXXZeOso_FvbZw&ust=1597908612795000&source=images&cd=vfe&ved=2ahUKEwjZ3aHL36brAhVB6pQKHQ5QAbEQr4kDegUIARCzAQ" \o "El nino soil | Pikrepo" \t "_blank)  5. El Niňo | **X** |  |  | | **Source:** [File:Typhoon Haiyan 2013 making landfall.gif - Wikimedia Commons commons.wikimedia.org](https://www.google.com/url?sa=i&url=https%3A%2F%2Fcommons.wikimedia.org%2Fwiki%2FFile%3ATyphoon_Haiyan_2013_making_landfall.gif&psig=AOvVaw0SicBaid9qw3n9G1cHrsBo&ust=1597908935612000&source=images&cd=vfe&ved=2ahUKEwiY-Jjl4KbrAhURg5QKHRSUDKoQr4kDegUIARC4AQ" \o "File:Typhoon Haiyan 2013 making landfall.gif - Wikimedia Commons" \t "_blank)  6. Typhoon Haiyan (Yolanda) |  |  |  | | **Source:** <https://www.flickr.com/photos/eu_echo/7842289456>  7. La Niňa | **X** |  |  | | **Source:** [Nature Rain Forest Doi Inthanon Free Stock Photo - Public Domain Pictures publicdomainpictures.net](https://www.google.com/url?sa=i&url=https%3A%2F%2Fwww.publicdomainpictures.net%2Fen%2Fview-image.php%3Fimage%3D344854%26picture%3Dnature-rain-forest-doi-inthanon&psig=AOvVaw3eF7_0pVBumHso1K5U6dJJ&ust=1597910029843000&source=images&cd=vfe&ved=0CLoBEK-JA2oXChMIkM_aiuWm6wIVAAAAAB0AAAAAEAQ" \o "Nature Rain Forest Doi Inthanon Free Stock Photo - Public Domain Pictures" \t "_blank)  8. Rain Forest |  |  |  | | Source: [Free photo: algeria, sahara, desert, dunes, 4x4 | Hippopx](https://www.google.com/url?sa=i&url=https%3A%2F%2Fwww.hippopx.com%2Fen%2Falgeria-sahara-desert-dunes-4x4-240557&psig=AOvVaw3bK8V1cr0k4MwIdIRS_01n&ust=1597910394561000&source=images&cd=vfe&ved=2ahUKEwjdjPCc5qbrAhU8zIsBHUoRAa0Qr4kDegUIARDXAQ" \o "Free photo: algeria, sahara, desert, dunes, 4x4 | Hippopx" \t "_blank)  [hippopx.com](https://www.google.com/url?sa=i&url=https%3A%2F%2Fwww.hippopx.com%2Fen%2Falgeria-sahara-desert-dunes-4x4-240557&psig=AOvVaw3bK8V1cr0k4MwIdIRS_01n&ust=1597910394561000&source=images&cd=vfe&ved=2ahUKEwjdjPCc5qbrAhU8zIsBHUoRAa0Qr4kDegUIARDXAQ" \o "Free photo: algeria, sahara, desert, dunes, 4x4 | Hippopx" \t "_blank)  9. Sahara Desert (Northern Africa) |  |  |  |   Guide Questions:  1. What is Climate? Climate is the average weather, but it is long-term.  2. What is Weather? Weather is the condition of the atmosphere in one area at a particular time, unlike the climate the weather can change in just a few hours.  3. The difference between climate and weather is that, Climate is the weather patterns of a place over a long period of time while weather is the condition of the atmosphere over a short period of time  1B: Poem! **(25 points)**  Direction: Make a poem about weather. Follow the suggested steps below.  Title: “My Weather Poem”  First line: Give at least four types of weather.  Second line: Three “ing” words you do during summer time.  Third line: Two adjectives that describe weather and climate.  Fourth line: Ask one question about weather and climate.  Last line: Two importance why you need to study weather and climate. | | | |
| 1. Learning Activity 2:   **2A: Short Answer (40 points)**  **Objective:** Explain climate and weather pattern; Share how climate change affects once lifestyle;  **Direction:** Answer the following questions:   1. What are the factors affecting climate? (5 points)   **(LOWERN) is an acronym for 5 factors affecting the climate.**  **Latitude, Ocean currents, Wind and air masses, Elevation, Relief**   1. Why do we experience weather changes? (3 points)   **We experience weather changes because of the change of temperature, winds, storms, and movement of air and water.**   1. How do we contribute to global warming? (3 points)   **By cutting down trees, farming livestock, factory pollution, car emissions and many more.**     1. How does climate change affect our lives and the Earth’s land scape? (3 points)   **Climate change can greatly affect our lives in Earth, the increasing of carbon dioxide can cause heat stress, increase in waterborne diseases, poor air quality, and many diseases. It can also affect the Earth’s landscape, wildfires will increase, insect outbreaks, drought, flooding, erosion, and health impacts.**     1. Alleviating the negative effects of climate change involves energy efficient practices. List three things you do that are not energy-efficient. Beside each practices, write down a commitment to reverse this practices. (6 points) 2. Draw a flowchart showing the various effects of climate change, including its personal impact on you. (10 points) 3. Give three examples of the impact of global warming on biodiversity. (3points) 4. **Migration of habitat** 5. **Failure of ecological relationships with other species.** 6. **Shifts in food availability.** 7. Differentiate global warming from climate change. (4 points)   **Global warming is the rise of the global temperature due to the increasing of the greenhouse gases in the atmosphere. Climate change refers to the changes of the climate over a long period of time, it also includes the temperature, wind patterns, etc.**   1. Reflect this message and explain it through the context of climate change: “If we live as if it matters, and it doesn’t matter, then it doesn’t matter. If we live as if it doesn’t matter, and it mattes, then it matters.” (5 points) | | | |
| 1. Learning Activity 3:   **3A: Ad Campaign(Group task) (50 points)**  Instruction: Create a 3-minutes minimum ad campaign about climate change in how it affects the livelihood, culture, environment, religion and socio-economic status of the people in Earth. In your ad campaign cite at least 5 activities that reduces the risks and lessens the effects of climate change. Submit the video in the video link below:  <https://drive.google.com/drive/folders/1cxWxdEqODlNIruQTZqQ3vtcrC7wz4yGB?usp=sharing>  Deadline: April 30, 2021 at 5:00 pm  Evaluation | | | |
| **III. Reflection: (10 points)** | | | |
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Note: Submission of LAS2 (deadline regardless of the video project) will be on April 21, 2021.

Additional activity on lesson 2: climate and summative test will be posted in Edmodo.