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**Note: Watch this video before answering the worksheet.**

**Reminder: Deadline of Submission is on March 8, 2023, 12:00 a.m**

**WORKSHEET # 3: VOLCANOES TO SOCIETY.**

**PART I. Advantages and Disadvantages of Volcanoes.**

**Instructions:** Write (/) if the statement describes the advantage of volcanoes and (X) if its disadvantage.

\_\_\_\_\_ 1.) When a volcano is active mostly it constantly erupting producing lava flows until another land formations will form like mountains or hills.

\_\_\_\_\_ 2.) Volcanoes can also serve as a source of energy. Our country, the Philippines, ranks second in the world's production of geothermal energy because our country is home to more than a hundred volcanoes, and energy has been tapped from them.

\_\_\_\_\_ 3.) The government of Hawaii has struggled to protect its people from the continuous formation of active volcanoes in their country. There are a lot of areas that are restricted to visit and live in because of the continuous flow of lava coming from the active volcanoes and the toxic substances it might expose humans and other living organisms to.

4.) Areas where most of the active volcanoes are found can cause habitat loss for living organisms. They are restricted to humans; even animals and plants cannot live and survive there because of the continuous flow of lava and pyroclastic flows.

5.) Active volcanoes can end up as an extinct volcano if there is no source of magma for the volcano to erupt. Mostly, those active volcanoes that become extinct are one of the places that miners target in order to look for metallic minerals such as copper, gold, silver, lead, and zinc, which they will eventually sell to the market. These minerals are usually associated with magmas found deep within the roots of extinct volcanoes.

6.) The Mayon volcano becomes one of the main attractions or tourist spots in the country of the Philippines because of its iconic, perfect cone shape, which offers a majestic view to tourists.

7.) The economic activity of a particular area or place might be disrupted because of an occurring volcanic eruption, which makes businesses struggle to operate and recover after an eruption.

8.) The 1991 volcanic eruption of Mount Pinatubo not only caused ashfall in nearby cities but also triggered typhoon rains that caused giant mudflows, lahars, and landslides caused by the pyroclastic flows generated by the volcano.

9.) The Mount Pinatubo eruption in 1991 caused a worldwide drop in temperature from the years 1991 to 1993. Scientists and volcanologists said that it was because of the explosion of volcanic materials that reached up to the stratosphere, causing the widespread dispersal of gas clouds around the world and causing the global temperatures to drop temporarily.

10.) An extinct volcano can also serve as a good agricultural spot, mostly areas found surrounding that extinct volcano or even on that exact volcano has a fertile soil caused by the weathering of volcanic rocks and ash, the elements found in it such as magnesium and potassium makes the soil more fertile.

