NAME:	GR./SEC.:	DATE:

Note: Watch this video before you can proceed in answering this worksheet.

Reminder: The deadline of submission of this worksheet is on March 9 2023, 12:00 a.m. (within this day).

WORKSHEET # 4

ACTIVITY 1: TRUE or FALSE

Write **TRUE** if the statement is correct and **FALSE** if the statement is incorrect.

_____ 1. Magma is an extremely hot fluid or semi fluid materials found under theEarth surface.

_____ 2. Viscosity refers to the materials' resistance to flow. The more viscous thematerial, the lesser is the resistance to flow.

_____ 3. Basaltic to andesitic magma is non-explosive while andesitic to rhyoliticmagma is explosive.

_____ 4. Magma with high temperature has high viscosity, while magma with lowtemperature has low viscosity.

_____ 5. Composition, temperature, and pressure are the factors that contribute tothe formation of magma.

ACTIVITY 2: FINDING THE SEQUENCE!

Analyze the process of volcanic eruption. Arrange the process of volcanic eruption into correct order using numbers 1-5. (1-origin or first step & 5-end or last step). Fill the numbers inside the box.

	○ Magma moves upward and accumulates in an area called magma chamber.
	○ Gas-charged magma reaches the surface and explode. The presence of dissolved gases enables the molten materialsto explode.
	○ More highly gas charged magma reaches the surface andthe volcano explodes.
	○ Volcanic activities include the melting of solid rocks in the mantle which became thick molten materials called magma.
	○ High temperature and pressure push magma through the openings like vents and fractures. The magma then oozed out to form a lava dome but do not cause any explosive eruption.