READING ACTIVITIES (answer key)

After reading the text, copy and answer the following questions into your notebook:
Remember: you must make complete sentences.

3.1. Answer these questions:

a. What are the factors that determine the explosiveness of a volcanic eruption?

They are the **viscosity** of the magma and the amount of **gases** is contains. The more viscous the magma, the more gases it contains and the higher the explosiveness.

b. What is the difference between a fumarole and a geyser?

Both are cracks on the Earth's surface in volcanic areas, The difference between them is the type of material it expels. **Fumaroles** expel **gases** and **geysers** expel **hot water**.

c. What criterion is used to classify the pyroclastic materials?

It is the **size** and **shape** of the rocky fragments. The biggest are volcanic blocks and bombs, the gravel sized is lapilli and the dust sized is ash.

d. Is it the same magma than lava?

No, it is not. Lava is the liquid material expelled by volcanoes. It is magma without gases.

3.2. Identify and order the following pictures from lower violent eruption to higher one.