

Introduction to Igneous Rocks Exercise

This is to introduce you into igneous rocks and how some of them are formed. Since in lab you will be only looking at the rocks themselves, this will help acquaint you with the processes that form these rocks.

Go to the website http://www.geology.sdsu.edu/how_volcanoes_work/ and click on the **Volcano Types** link in the left hand column.

1. Out of the three types of volcanoes listed

Which one is the most common? _____

Which one is the deadliest? _____

2. Click on **Lava Flow Types** in the left hand column.

There are two main types of lavas, basaltic and felsic (also known as granitic). Which type of lava is associated with violent explosive volcanoes? _____

3. Click on **Pyroclastic Flow** in the left hand column.

What is a pyroclastic flow? _____

4. How is it similar to a Lahar? _____

5. How are they different? _____

6. In the left hand column under **Eruption Types**, what type of eruption buried the town of Pompeii? _____