

Name: _____

Igneous Rocks Lab Part 2

In this lab, you will be using what you learned last week and applying it in a real-world setting. There are pictures of 5 different rocks below. Your job is to match it up with the locality on the map of the United States (marked with stars) where it most likely came from. In order to complete this lab, you will need to investigate each volcano (or region) on the map using the internet. First, identify each rock. Tell me whether it is intrusive or extrusive; felsic, intermediate, mafic, or ultra-mafic; and give me a proper name for each depending on its texture. Then look at what the typical eruption style is and what kinds of rocks usually are erupted (mafic, intermediate, or felsic). If the rock is intrusive, determine what kind of intrusive igneous rocks are found in each area (they won't be associated with current volcanoes). Also, in a pinch you may find it useful to look up each area and see what is found there and correlate to the rocks in the pictures. Wikipedia is a great place to start! Don't hesitate to email me if you have any questions about this exercise.

1)



Intrusive or extrusive: _____

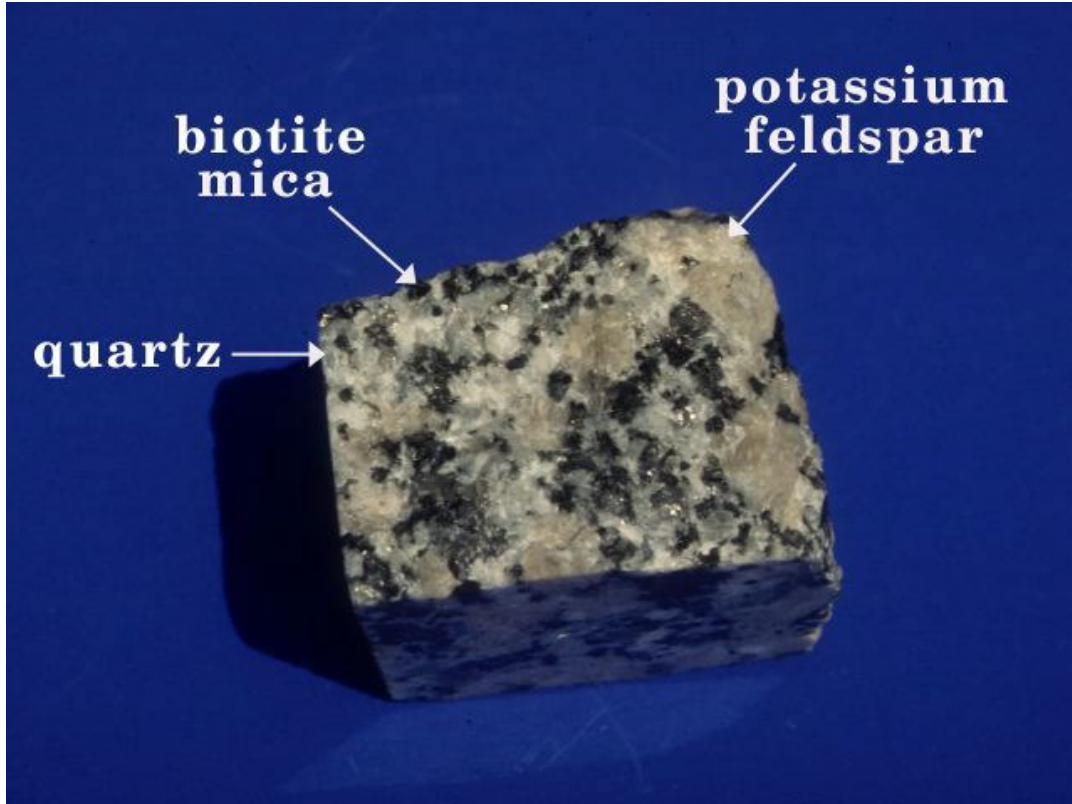
Circle one: Felsic, Intermediate, Mafic, Ultramafic

Rock Name: _____

Locality: _____

Name: _____

2)



Intrusive or extrusive: _____

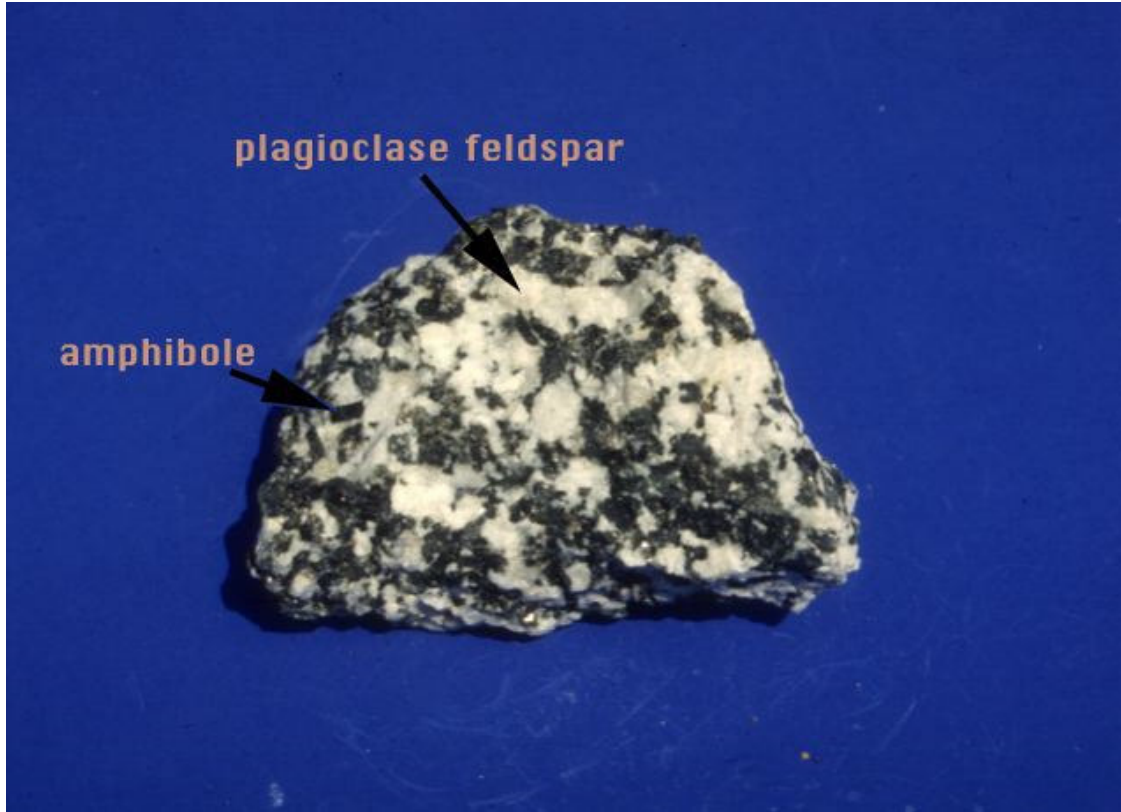
Circle one: Felsic, Intermediate, Mafic, Ultramafic

Rock Name: _____

Locality: _____

Name: _____

3)



Intrusive or extrusive: _____

Circle one: Felsic, Intermediate, Mafic, Ultramafic

Rock Name: _____

Locality: _____

Name: _____

4)



Intrusive or extrusive: _____

A hint for this one is that it is **intermediate** in composition.

Rock Name: _____

Locality: _____

Name: _____

5)



Intrusive or extrusive: _____

Circle one: Felsic, Intermediate, Mafic, Ultramafic

Rock Name: _____

Locality: _____

Name: _____

Locality Map



Choices:

- Ⓐ Chapel Hill, NC
- Ⓑ Kilauea, HI
- Ⓒ Queen of the Death Valley"
- Ⓓ Sierra Nevada Mtns (select locations)
- Ⓔ Mt. St. Helens, WA