

Chapter 6.2-Igneous Rocks

Classifying Igneous Rocks

Igneous rocks are classified by their _____ and their _____

TEXTURE

_____ IGNEOUS ROCKS (_____)

surrounded by layers of Earth-_____

_____ cooled magma produces _____

that are _____

_____ IGNEOUS ROCKS (_____)

lava is exposed to _____

magma cools _____ producing

_____ (_____ mineral grains)

_____ do not have time to arrange themselves in _____

INTRUSIVE OR EXTRUSIVE??



Porphyry

- A mixture of _____ and _____ crystals
- _____

- Within the crust, _____ can grow
- On the surface, cooling stops any more crystals from _____



Vesicular

- Refers to _____ (_____, _____, or _____) within the igneous rock.
- Vesicles are the result of _____ (_____), which often occurs during _____.
- _____ and _____ are common types of vesicular rocks.



COMPOSITION

Type of _____ or _____

_____ Rocks (_____)

High amount of _____ and _____

Low _____ content

Found in the _____

How does this explain the black sand beaches of Hawaii??

_____ Rocks (_____)

_____ and _____ magma

High amount of _____ and _____

Contains a lot of _____ causing very _____

_____ Rocks (_____)

mineral composition between that of _____ and

_____ rocks

can have _____ eruptions or _____ eruptions

_____ silica content

_____ thickness

many volcanoes around the Pacific Ring of Fire contain _____ magma