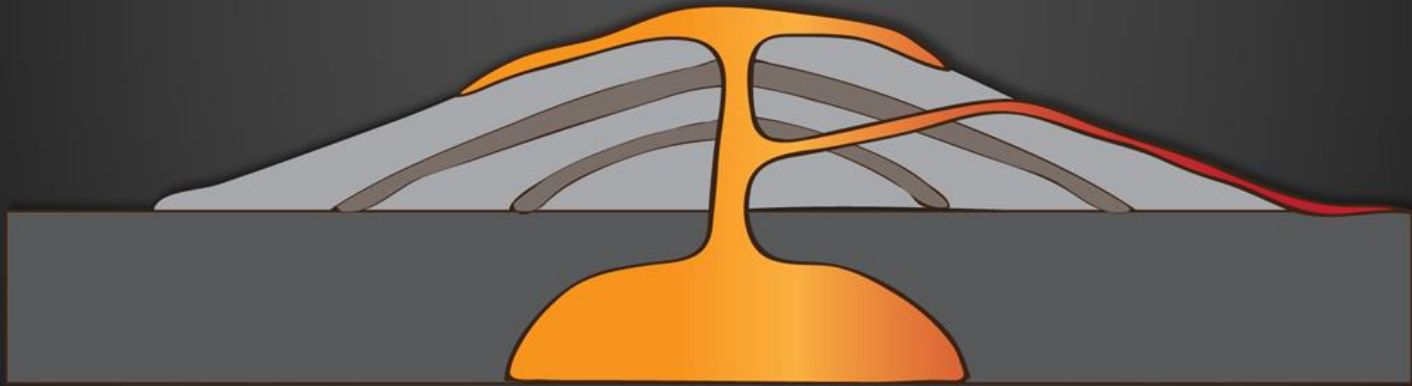
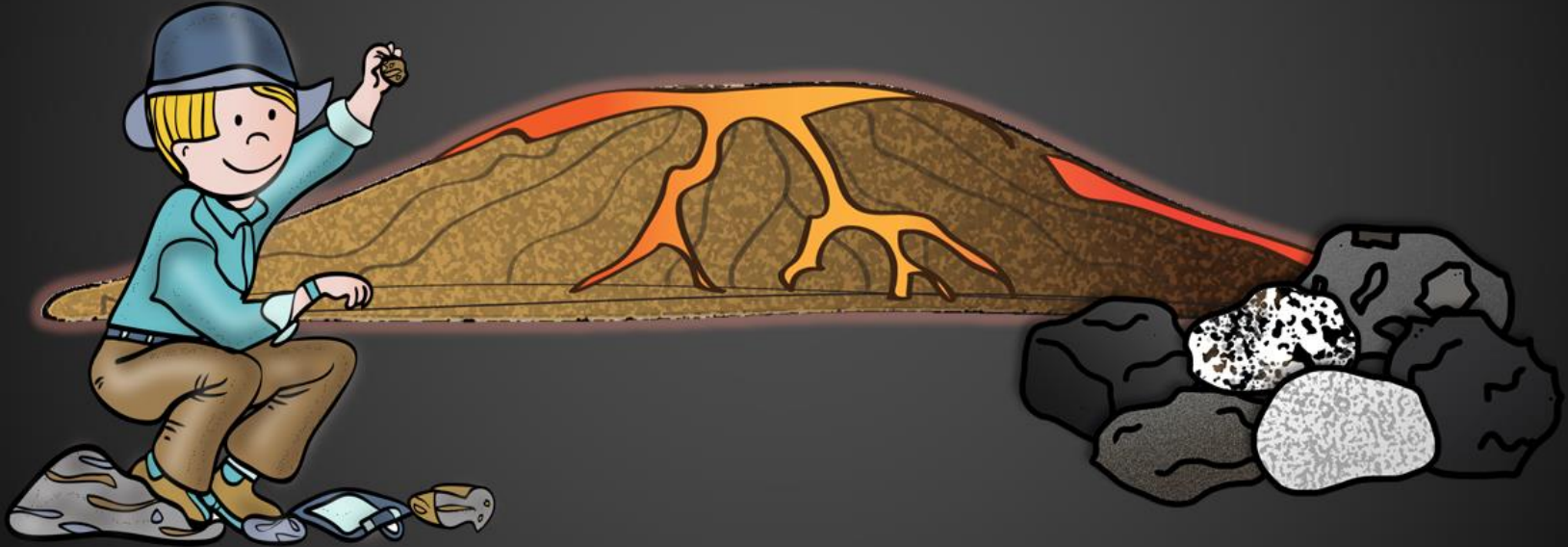


Do Now:

What is the difference between
magma and lava?



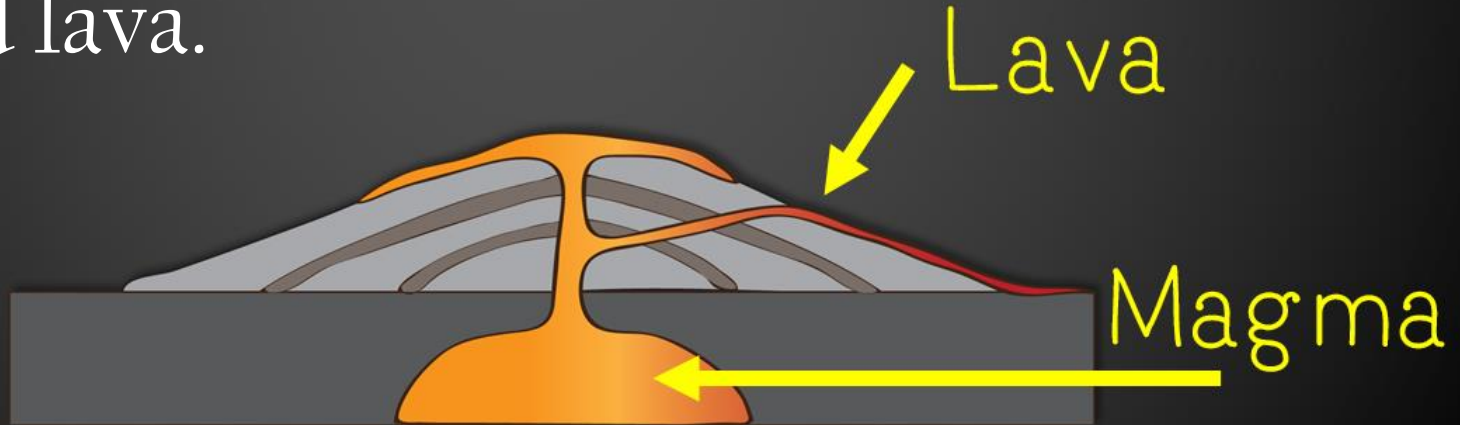
Igneous Rocks



Magma vs. Lava

Magma is molten rock within the Earth.

When magma reaches the Earth's surface, it is called lava.



What do you think of when you hear
“lava”? What happens when it cools?



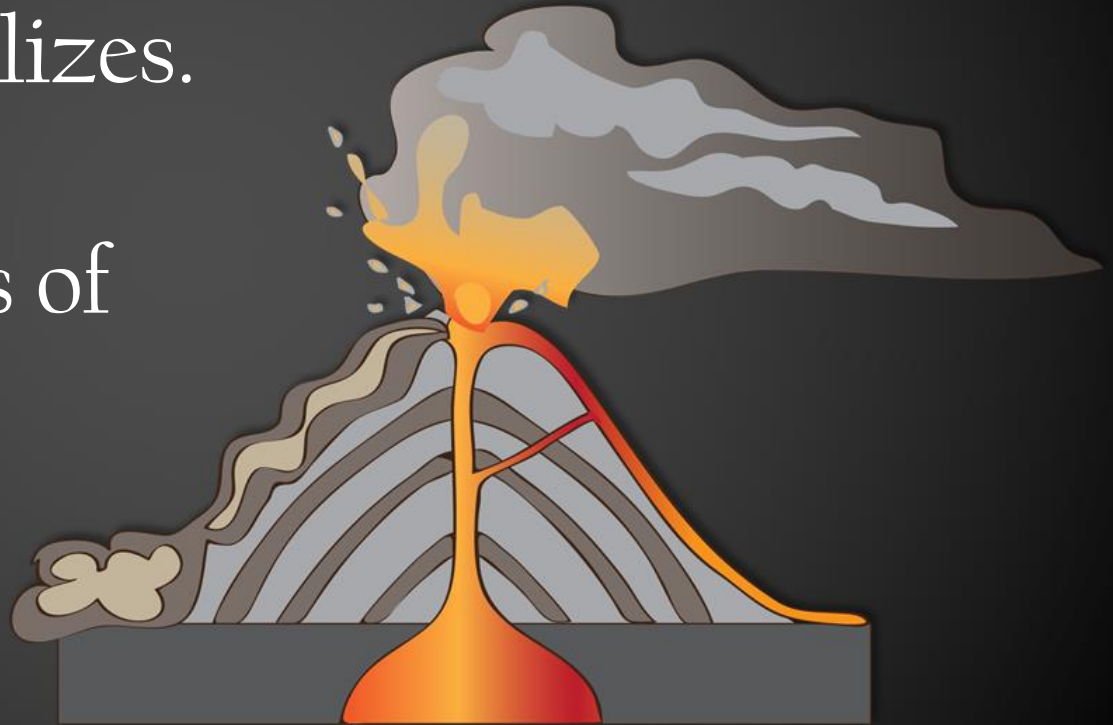
Igneous Rocks

Igneous rocks form when lava or magma cools and crystallizes.

There are 2 types of igneous rocks:

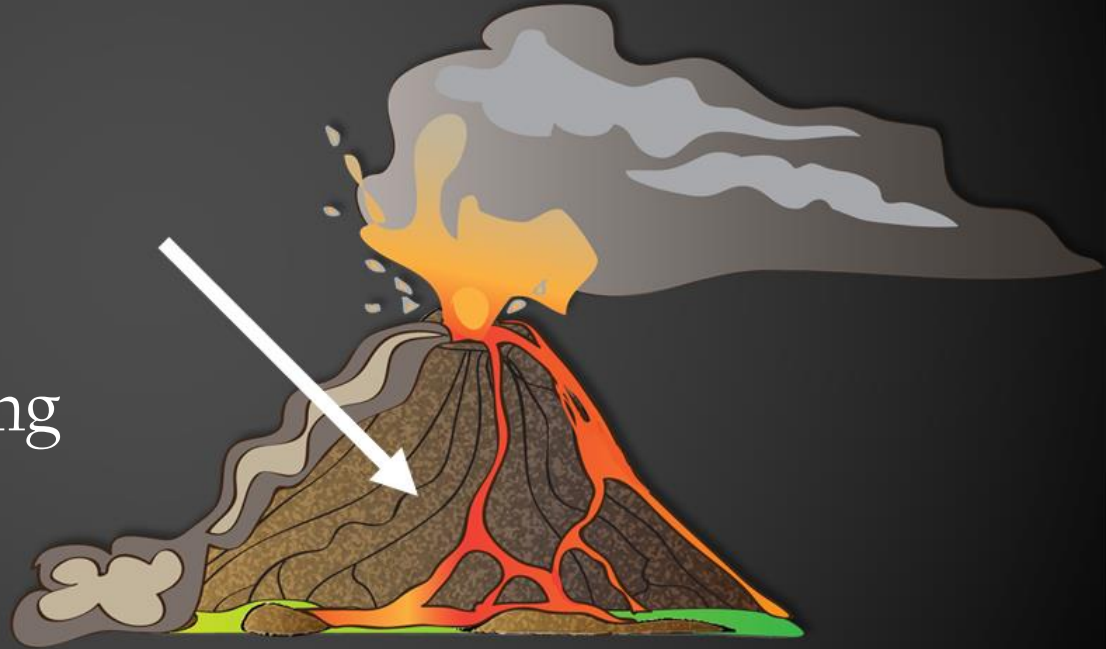
Extrusive

Intrusive



Extrusive Igneous Rocks

- Form on Earth's surface
- Cool quickly
- Fine-grained
- Sometimes have holes from escaping gas

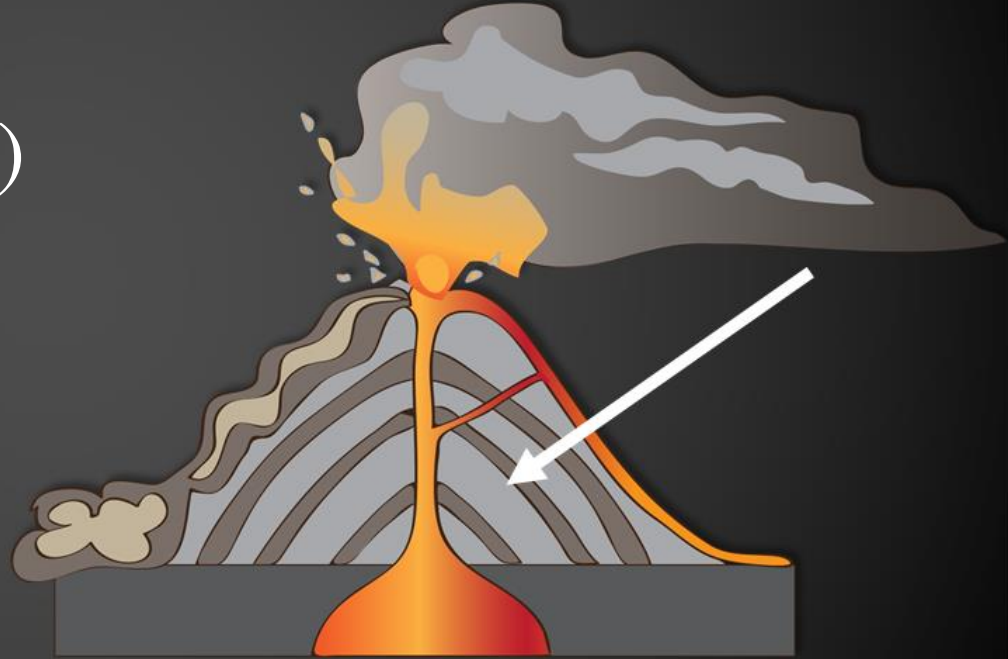


Extrusive Igneous Rocks



Intrusive Igneous Rocks

- Form inside of Earth's crust (**IN**trusive rocks form **IN**side the volcano!)
- Cool slowly
- Large-grained (can see crystals)



Intrusive Igneous Rocks



Is this rock extrusive or
intrusive?



It's intrusive!



What evidence tells you that this rock is intrusive?

Did this rock form inside
or outside of a volcano?



Inside the volcano!



Remember that **IN**trusive rocks form **IN**side volcanos, where magma cools slowly and forms crystals.

Is this rock extrusive or
intrusive?



It's extrusive!

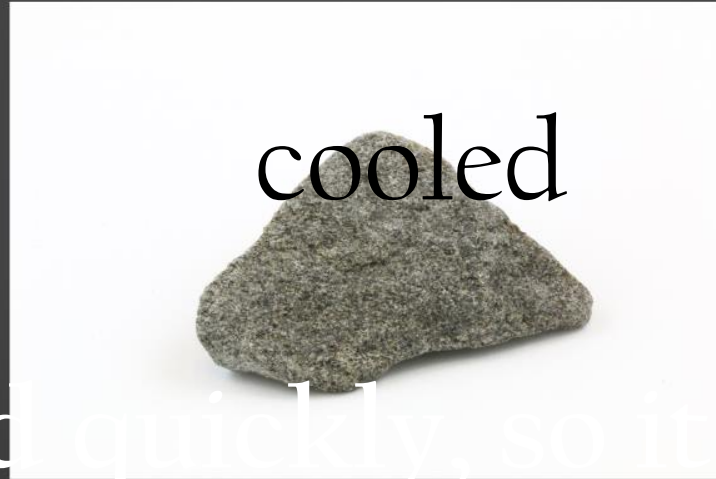


What evidence tells you that this rock is extrusive?

Did this rock form inside
or outside of a volcano?



It formed outside of a
volcano!



It cooled quickly, so it is fine-
grained.

Obsidian



Granite



Basalt



Rhyolite



Pumice

