

# Rock Identification - Station Lab

**Directions:**

- There are 14 different rock samples placed around the room. Choose one to start.
- Record your observations and use the Rocks/Mineral guide for more information.
- Once you are done, you may go to another station.

Marble	Sedimentary / Igneous/ Metamorphic	
What does it look like?	What does it feel like?	What is it made of?
Foliated or Non-Foliated?		

Limestone	Sedimentary / Igneous/ Metamorphic	
What does it look like?	What does it feel like?	What is it made of?
		Where is it found?

- **Compare and contrast Limestone and Marble: 2 differences and 2 similarities**

Granite	Sedimentary / Igneous/ Metamorphic	
What does it look like?	What does it feel like?	What is it made of?
<p>Crystal/Grain size?</p> <p>Mafic or Felsic?</p>		<p>Intrusive or Extrusive?</p>

Gneiss	Sedimentary / Igneous/ Metamorphic	
What does it look like?	What does it feel like?	What is it made of?
<p>Foliated or Non-Foliated?</p>		

- Compare and contrast Granite and Gneiss: 2 differences and 2 similarities

Coal	Sedimentary / Igneous/ Metamorphic	
What does it look like?	What does it feel like?	What is it made of?
		Where is it found?

Obsidian	Sedimentary / Igneous/ Metamorphic	
What does it look like?	What does it feel like?	What is it made of?
Crystal/Grain size?  Mafic or Felsic?		Intrusive or Extrusive?

- Compare and contrast Obsidian and Coal: 2 differences and 2 similarities

Sandstone	Sedimentary / Igneous/ Metamorphic	
What does it look like?	What does it feel like?	What is it made of?
		Where is found?

Pumice	Sedimentary / Igneous/ Metamorphic	
What does it look like?	What does it feel like?	What is it made of?
Crystal/Grain size?  Mafic or Felsic?		Intrusive or Extrusive?

Scoria	Sedimentary / Igneous/ Metamorphic	
What does it look like?	What does it feel like?	What is it made of?
Crystal/Grain size?  Mafic or Felsic?		Intrusive or Extrusive?

- Compare Sandstone, Pumice, and Scoria. 2 differences and 2 similarities

Basalt	Sedimentary / Igneous/ Metamorphic	
What does it look like?	What does it feel like?	What is it made of?
Crystal/Grain size?  Mafic or Felsic?		Intrusive or Extrusive?

Slate	Sedimentary / Igneous/ Metamorphic	
What does it look like?	What does it feel like?	What is it made of?
Foliated or Non-Foliated?		

Hornfels	Sedimentary / Igneous/ Metamorphic	
What does it look like?	What does it feel like?	What is it made of?
Foliated or Non-Foliated?		

- Compare Basalt, Hornfels, and Slate. 2 differences and 2 similarities

Conglomerate	Sedimentary / Igneous/ Metamorphic	
What does it look like?	What does it feel like?	What is it made of?
		Where is found?

Fossil	What type of rock is it found in? Ign, Met, Sed?	
What does it look like?	What does it feel like?	What is it made of?
		Where did this creature live?

**Conclusion:**

**Write 2-3 sentences on what you learned by doing this lab.**