Name: _____ Date: _____
Lab Partner: _____ Period : _____

LAB _____: "Crystals, Crumbs and Sediments"

Purpose: classifying cookies as the 3 different rock types based on specific features.

Materials: Different cookie types
How many different cookies will you look at throughout this lab? _____

Procedure:

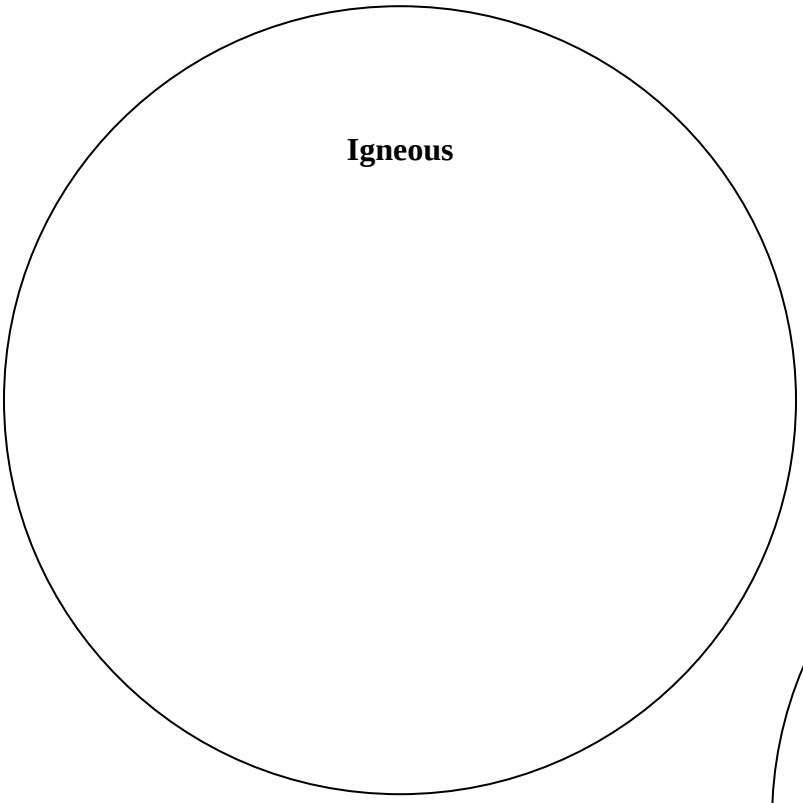
1. Obtain your samples
2. Classify each sample as one of the three main rock types.
3. Draw your sample in the appropriate circle and give it an abbreviated name on the "Got Cookies" page.
4. State your reasoning for that classification on "Got Evidence" page
5. Discard of all evidence ☺

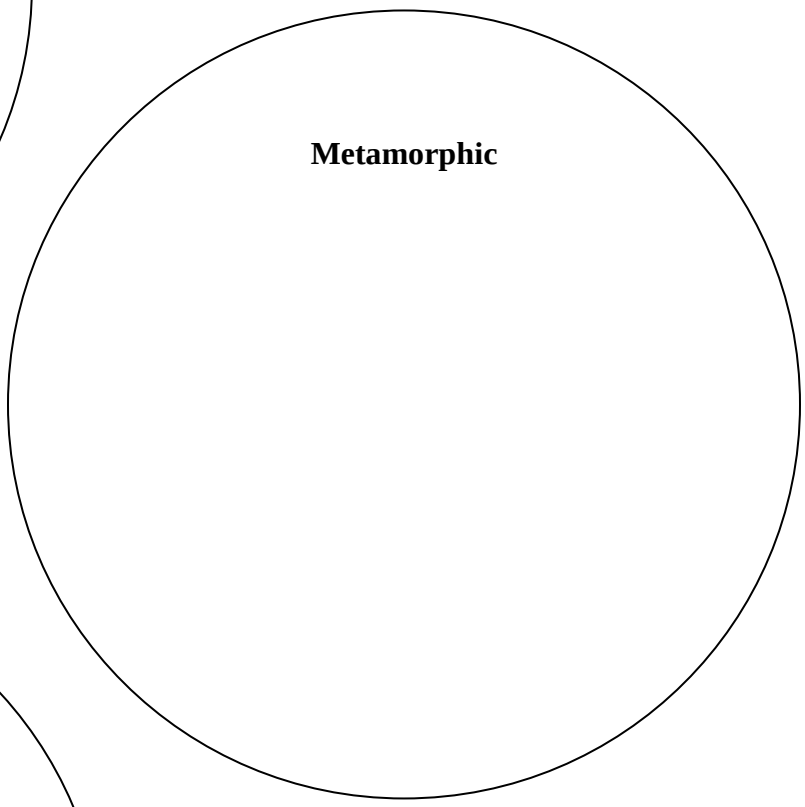
Match the distinct characteristics with the appropriate rock type.

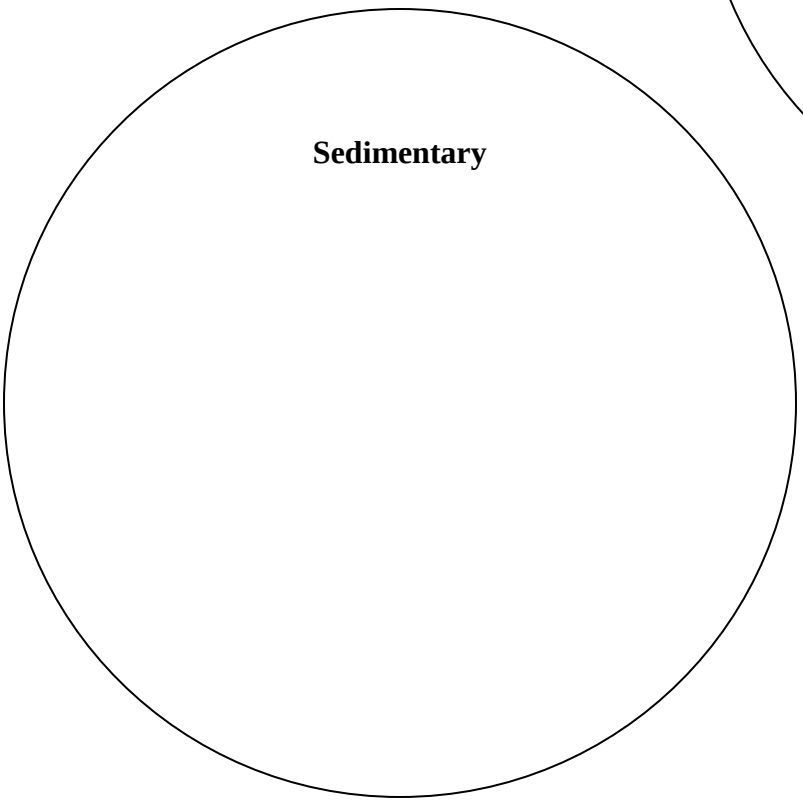
Fossil	Vesicular	Extrusive	Fine Grained
Banding	Coarse Grained	Glassy	
Contact Metamorphism		Intrusive	Made of minerals
Foliation			
Sediments	Interlocking Crystals	Regional Metamorphism	

Igneous	**Sedimentary**	**Metamorphic**

Observations: Got Cookies?







Analysis: Got Evidence?

_____cookie name_____: reasoning for this rock type classification_____

Igneous:

_____: _____

_____: _____

_____: _____

_____: _____

Sedimentary:

_____: _____

_____: _____

_____: _____

_____: _____

Metamorphic:

_____: _____

_____: _____

_____: _____

_____: _____

Not enough Spaces for a rock type? (Be sure to list the rock type on the first space)

_____: _____:
_____

_____: _____:
_____

_____: _____:
_____

_____: _____:
_____

got milk?

Questions:

1. Why do rocks vary in color?

2. In general, what is meant by the texture of the rock?

3. Why is it unlikely that fossils would be found in an igneous rock?

4. If fossils are found in metamorphic rocks, how would they likely appear?

5. From the rock cycle, describe the changes that an igneous rock could undergo?

6. From the rock cycle, describe the changes that a sedimentary rock could undergo?

7. From the rock cycle, describe the changes that a metamorphic rock could undergo?