

Name: _____ Period: _____ Date: _____

Classifying Rocks (7.2.5)

DIRECTIONS:

- Use the ORANGE **Inside Earth** book to help you fill out the following Cornell notes.
- Read carefully.
- Use the GREEN and PURPLE paragraph heading to guide you.

Chapter 5 Section 1: Classifying Rocks - - (p. 146 to 149)	
TOPIC/MAIN IDEAS	DETAILS ABOUT TOPIC/MAIN IDEAS
How Geologists Classify Rocks	rocks are made of:
Texture	<ul style="list-style-type: none">- grain size:- grain shape:- grain pattern:- no visible grain:
Mineral Composition	<ul style="list-style-type: none">- tests to identify minerals:
Origin	<ul style="list-style-type: none">- igneous:- sedimentary:- metamorphic:

Chapter 5 Section 2: Igneous Rocks - - (p. 150 to 153)

TOPIC/MAIN IDEAS	DETAILS ABOUT TOPIC/MAIN IDEAS
<p>Characteristics of Igneous Rocks</p>	<p>igneous rocks are classified according to their:</p> <ul style="list-style-type: none"> - - -
<p>Origin</p>	<p>(after reading about texture in the next paragraph, record crystal sizes for these origins of igneous rocks)</p> <ul style="list-style-type: none"> - extrusive: - crystal size = - intrusive: - crystal size =
<p>Texture</p>	<p>a. The texture of an igneous rock depends on the _____ and _____ of its mineral _____.</p> <p>b. The texture of an igneous rock may be</p> <ul style="list-style-type: none"> - _____-grained - _____-grained - _____ - _____ <p>c. Rapid cooling _____ forms _____-grained rocks with _____ crystals.</p> <p>d. Slow cooling _____ forms _____-grained rocks with _____ crystals.</p> <p>porphyritic texture: A rock with _____ crystals scattered on a background of much _____ crystals.</p>
<p>Mineral Composition</p>	<ul style="list-style-type: none"> - dark colored igneous rocks - light colored igneous rocks