

Name: _____

Hour: _____ Date: _____

Chapter 3: Rock Jig-Saw

****Igneous Rock (p. 70-73)**

1.) How does igneous rock form?

2.) Igneous is Latin for what?

3.) What is Intrusive Igneous Rock? Why are they called intrusive?

4.) What is Extrusive Igneous Rock? Why are they called extrusive?

5.) What are the two characteristics of igneous rocks? Define these characteristics.

a.

b.

6.) What affects the texture of igneous rock?

7.) What causes igneous rock to have coarse-grained texture?

8.) What causes igneous rock to be fine-grained?

9.) What causes a glassy texture?

10.) What is porphyritic texture and how does it form?

11.) What portion of the Earth is made primarily of basaltic igneous rocks?

****Sedimentary Rock (p.75-78)**

1.) What is sedimentary Latin for?

2.) What is weathering?

3.) What carries weathered sediment away?

4.) Describe the five major processes involved in the formation of sedimentary rocks.

a.

b.

c.

d.

e.

5.) How are sedimentary rocks classified?

6.) What are clastic and chemical sedimentary rocks? How are they alike and how are they different?

- a. clastic-
- b. chemical-
- c. What is conglomerate?-
- d. Describe how chemical sedimentary rocks form.

7.) Describe two ways sedimentary rocks can be used to learn about the past.

a.

b.

****Metamorphic Rock (p.80-84)**

1.) What does metamorphism mean?

2.) When and where do metamorphic changes occur?

3.) What are contact metamorphism and regional metamorphism? How are they alike and how are they different?

- a. Contact-
- b. Regional-
- c. Alike/Differences-

4.) List the three agents of metamorphism and then explain how they cause rocks to change form.

a.

b.

c.

5.) How are metamorphic Rocks classified?

6.) Define foliated and non-foliated metamorphic rock. How are they alike and different.

a. foliated-

b. non-foliated-

c. alike/different-

7.) Summarize what you have learned about metamorphic rock.