**Igneous Rocks**

What are they made of?

How are they formed?

What are the two types of Igneous Rocks?

**Compare and Contrast the two types of Igneous Rocks**



What elements are light colored rocks composed of?

What elements are dark colored rocks composed of?

Describe viscosity:

**Compare and Contrast Magma that has low and high viscosity**



Why does adding water to magma make it more explosive?

**Sedimentary Rocks**

What are they made of?

How are they formed?

What are the three types of Sedimentary Rocks?

|  |  |  |
| --- | --- | --- |
|  |  |  |
| What are they made out of?How did they form? | What are they made out of?How did they form? | What are they made out of?How did they form? |

**Compare and Contrast Weathering and Erosion**



Define chemical weathering:

Define /mechanical physical weathering:

**Define the processes of how sedimentary rocks are formed:**

Uplift-

Weathering-

Erosion-

Deposition-

Burial-

Lithification-

Compaction-

Cementation-

**Metamorphic Rocks**

What are they made of?

How are they formed?

What are the two types of Metamorphic Rocks?

**Compare and Contrast the two types of Metamorphic Rocks**



**Rock Cycle**

Fill in the blank rock cycle. Make sure to label the arrows.



* Heat and pressure may change a rock to a **metamorphic rock**.
	+ Using the diagram above, what type of rock may be changed into a new metamorphic rock? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Melting followed by crystallization will change a rock to an **igneous rock**.
	+ Using the diagram above, what type of rock may be changed into a new igneous rock? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Uplift, weathering, erosion, deposition, burial and lithification will form a **sedimentary rock**.
	+ Using the diagram above, what type of rock may be changed into a new sedimentary rock? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_