1. ***I can define and classify minerals by their specific properties.***

**List the 5 things (physical properties) a *mineral* has to have or be in order to be classified as a mineral. Know definition of each of these.**

**1.**

**2.**

**3.**

**4.**

**5.**

**List seven characteristic properties that will be specific to each type of *mineral-- that are very useful in identifying a mineral sample.*  Define each property and explain how to test for that property.**

**1.**

**2.**

**3.**

**4.**

**5.**

**6.**

**7.**

1. ***EL-- I Know the three basic types of rock and how they are formed.***

Name the three types of rocks and explain how they are formed.

Complete the illustration of the rock cycle. Be sure to include these terms: igneous, metamorphic, sedimentary, magma and lava, sediments, heat and/or pressure, melting, deposition and compaction, cooling and hardening, weathering/erosion.

***3. EL I can identify and describe the constructive and destructive forces that change the earth’s surface.***

**Define: Constructive Geologic force-**

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Define Term** | **Why this is a constructive geologic force?** | **Draw a picture** |
| **Volcanic eruption** |  |  |  |
| **Earthquake** |  |  |  |
| **Deposition by wind, water, ice.** |  |  |  |
| **Sea Floor Spreading**  **Diverging plates** |  |  |  |
| **Mountain building**  **(converging plates of same density)** |  |  |  |

**Define destructive forces: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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|  |  |  |  |
| --- | --- | --- | --- |
|  | **Definition** | **Why is this a destructive geologic force?** | **Draw a Picture** |
| **Erosion** |  |  |  |
| **Weathering** |  |  |  |
| **Glacial Action** |  |  |  |
| **Subduction- Converging plates(different densities)** |  |  |  |

1. ***EL --*** ***I can compare and contrast rocks, minerals and soil.***
2. What is soil? (You must use these words in your answer: weathering rock, humus, sand, silt, clay, bedrock, horizons, mixture)
3. How does soil form?
4. List soil particles in order from smallest to largest.

Give 3 ways Rocks Minerals and Soil are different. (contrast)

1.

2.

3

Give 3 ways Rocks Minerals and Soil are alike. (compare)

1.

2.

3.