Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_\_\_\_\_\_\_\_ TEST DATE: \_\_\_\_Tues. 12/20\_\_\_\_

**Weathering, Erosion, and Soil Test Standards and Study Guide**

Write ANYTHING you need to help you understand and remember on here. It could be vocabulary, pictures, flow charts, graphic organizers…ANYTHING!

**Specific Standards:**

* 7.2.6 Describe physical and chemical characteristics of soil layers and how they are influenced by the process of soil formation, including the action of bacteria, fungi, insects, and other organisms.
* 7.2.7 Use geological features such as karst topography and glaciation to explain how large scale physical processes have shaped the land

**Use ALL of your RESOURCES to make sure you understand the following information. Resources include:**

* **downloaded texts (first choice!!!)**
* **investigations**
* **notes**
* **videos (on my Weebly and Edmodo)**
* **graded work**
* **Internet (should be LAST.)**
* Below is a chart that has some of the specific concepts that show up on the test. Make sure you understand **definitions and descriptions**.
* Be sure you can **identify different landforms** created by weathering, erosion and deposition. Be able to determine the **relationships between** these concepts and the **effects they have on each other**. (Example: Weathering creates sediments which is an “ingredient” in soil.)

|  |  |  |  |
| --- | --- | --- | --- |
| **Weathering** | **Soil** | **Erosion** | **Deposition** |
| * what is weathering
* mechanical weathering and examples (frost wedging, etc.)
* chemical weathering and examples (oxidation, carbonic acid, etc.)
* role living things play in weathering
* sediments and sediment sizes
 | * how soil forms
* soil composition (what soil is made of)
* soil layers (topsoil, bedrock, etc.) and how each layer is different
* decomposers, bacteria
* soil color
* soil texture and sediment sizes
* soil texture triangle
* organic matter, humus, nutrients in soil
 | * what is erosion (relate to kinetic energy)
* examples of erosion by wind, water, gravity and glaciers
* mass wasting
* gravity
* kinetic energy
* plucking
 | * what is deposition
* what causes deposition (relate to kinetic energy)
* examples of landforms created by deposition of wind, water, ice/glaciers, and gravity
* till
* delta
* meander
* oxbow lake
 |
| * cave formation through weathering/erosion
* stalactites/stalagmites caused by deposition
* karst topography/sinkholes
 |

**BACKWARDS PLANNING**: What will you do EACH day BEFORE the test to prepare? Be more specific than “study.” Describe HOW you will study! (Example: Fill out study guide, create flash cards, create a mind map, etc.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Friday 12/16** | **Saturday 12/17** | **Sunday 12/18** | **Monday 12/19** | **Tuesday 12/20** |
|  |  |  |  | TEST DAY!!! |