**Sedimentary Rocks Unit Project** Name: \_\_\_\_\_\_\_\_\_\_\_\_\_ Blk: \_\_\_

*Summative Assessment*

**Inquiry Question:** What features and properties define a sedimentary depositional environment?

**Your task**: to individually create a profile of a depositional environment.

* You may choose which depositional environment you will investigate.
* You may display your profile in any format: poster, powerpoint, film, song, diorama, etc.
* Your project will be presented in class.

Your Profile must include the following:

1. **Energy level** *(sediment particle size and shape)*
2. **Rounding and Sorting**
3. **Common Sedimentary Structures present**
4. **Fossils/Organic Structures present**
5. **Common Sedimentary Rocks**
6. **Real-World Examples** *(Google Maps and images)*
7. **Reference List in APA format** *(full marks for in-text citation)*

You will have two classes to research and build your specific depositional environment. Record your sources in APA format.

Your project is due on \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Sedimentary Depositional Environments**

*(choose one*)

**Continental**

* Fluvial (rivers)
* Lacustrine (lakes)
* Paludal (swamps)
* Glacial (glaciers)
* Alluvial (alluvial fans)
* Aeolian (deserts)
* Talus/Scree Slopes
* Evaporates

**Coastal**

* Beaches
* Deltas
* Estuaries
* Lagoons

**Marine**

* Reefs
* Continental Shelf (shallow water)
* Continental Slope & Rise (deep water)
* Abyssal Plain

**Marking Rubric (**submit with your project**) /50**

**Your Depositional Environment: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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| --- | --- | --- | --- | --- |
|  | **10-9** | **8-7** | **6-5** | **4-0** |
| **Energy Level, Rounding, & Sorting** | Detailed explanation of the energy level of the environment, and the rounding and sorting of sediment, including processes. Specific examples and images included. | Explanation of the energy level of the environment, and the rounding and sorting of sediment. Specific examples and images occasionally included. | Limited explanation of the energy level of the environment, and the rounding and sorting of sediment. Specific examples and images sometimes included. | Energy level of the environment, and the rounding and sorting of sediment not included. Specific examples and images not included. |
| **Sedimentary Structures & Fossils** | Detailed list of all sedimentary, fossils and organic structures possible, including their formation. Specific examples and images included. | Detailed list of all sedimentary, fossils and organic structures possible. Specific examples and images occasionally included. | Limited list of all sedimentary, fossils and organic structures included. Specific examples and images sometimes included. | Sedimentary, fossils and organic structures not included. Specific examples and images not included. |
| **Sedimentary Rocks** | Detailed list of all sedimentary rocks possible, including their formation. Specific examples and images included.  | Detailed list of many sedimentary rocks possible. Specific examples and images occasionally included. | Limited list of sedimentary rocks included. Specific examples and images sometimes included. | Sedimentary rocks not included. Specific examples and images not included. |
| **Real-World Examples** | Multiple real-world examples are included, both local and global. Images and maps are included meaningfully. | Local real-world example is included. Images and maps are included. | Global real-world example is included. Limited use of images or maps. | Real-world examples are not included. Images and maps are not included. |
| **Work cited** | Sources and images are cited correctly and completely, with reference list and in-text citation. APA format. | Sources and images are usually cited correctly and completely, with reference list. APA format. | Sources and images are sometimes cited correctly, with a list of websites. | Sources and images are not cited correctly. Reference list not included. |