**Classification of Sedimentary Rock**

**Clastic Sediments**

 Recall that “clastic” means \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
(Clastic sediments are ground-up pre-existing rocks/minerals)

 Clastic rocks are classified based on the fragment \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

All *other* sedimentary rock types are referred to as \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

|  |  |
| --- | --- |
| **Sediment** | **Sedimentary Rock** |
|  |  |
|  |  |
|  |  |

**Chemical Evaporites**

Occur when a liquid evaporates, leaving behind \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

Classified based on the their \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

|  |  |
| --- | --- |
| **Sediment** | **Sedimentary Rock** |
|  |  |
|  |  |
|  |  |

**Chemical Precipitates**

Occur when a chemical becomes undissolved (\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_).

Classified based on their\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

|  |  |
| --- | --- |
| **Sediment** | **Sedimentary Rock** |
|  |  |
|  |  |

**Organic Sediments**

Organic sediments are pieces of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

Classified based on the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

|  |  |
| --- | --- |
| **Sediment** | **Sedimentary Rock** |
|  |  |
|  |  |
|  |  |

**More on Coal**

Coal can sort of be considered sedimentary (made from pieces of plants that settle to the surface) and

metamorphic (made from \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_)

|  |  |
| --- | --- |
| **Type of Coal** | **Notes** |
|  | -Low carbon content-Not a useful energy source |
|  | -Burns “dirty” (\_\_\_\_\_\_\_\_\_\_\_\_\_\_) |
|  | -Burns “dirty” |
|  | -Burns much more cleanly.-High carbon content. |