



Sedimentary Rocks

**All samples came from Nebraska
and Northern Kansas**

Samples

- Sandstone
- Shale
- Limestone
- Chalk
- Gypsum
- Mudstone

Sandstone



- From the Dakota formation
- Oldest Cretaceous rock: 100mya
- “Bedded” Sandstone – there are layers in it.
 - Clastic Sedimentary rock
 - Environment: River

Shale

- Granerous Shale
- 100–96 mya
- Dark colored shale
 - Organic
 - Sedimentary Rock
 - Environment: River (swamp)



Limestone



- Cretaceous Greenhorn
- 90 mya
- Limestone with shells (inocerimids)
 - Biogenic
 - Sedimentary rock
 - Environment: Ocean

Chalk

- Niobrara Chalk
- 85 mya
- Light colored chalk (microscopic animals)
 - Biogenic Sedimentary Rock
 - Environment: Ocean (deep)



Gypsum



- Gypsum crystals
- Youngest Cretaceous
80-68 mya
- Crystals - small and large
 - Chemical Sedimentary Rock?? The crystals come out of the shale rock layer present
 - Environment: Ocean

Mudstone

- Mudstone found in north central Nebraska
- Late Cretaceous
- Recent discovery of a mosasaur: a large sea lizard
 - Clastic Sedimentary Rock
 - Environment: Ocean

