What Environments Were Like During the Time Of Dinosaurs
Cretaceous existed then.

Seashells, horn coral, marine fossils, and
b. Trilobites, brachiopods, gastropods,
exist then.

Mountains are today although they didn’t
emerge near the Wasatch.

a. A warm, shallow ocean covered western

1. 300 Mya to 550 Mya (Paleozoic Period)

**Time Period 1**

Description of the Utah Fossils
Description of the Utah Fossils Time Period 4

4. 10,000 years ago to 2 mya (Ice Age)
   a. The climate became cold and ice began to form from the north all the way to the middle of Utah. Many animals such as the mammoth, saber tooth cat were forced to migrate southward.
   b. Some mammoths and saber tooth cats were caught in the ice age cold and froze to death in the ice but became preserved. Later their remains were found.
Time Period 2

Description of the Utah Fossils

65-145 Mya Neha's Past

Cretaceous Period

1. A large tropical climate area with many tropical plants and other vegetation. Many swamps and marshy forests existed then.

2. 149 Mya to 195 Mya (Jurassic Period)

b. Allosaurus, marshasaurus,diplocaurus, wood.

Eventually, the trees became petrified
volcanic ash and leveled the forests.

explosion and covered the trees with
active at the time. Many volcanoes
land of many dinosaurs. volcanoes were
passed through the areas. This became the

There were many lakes and rivers that

a. 65-145 Mya (Cretaceous Period)

Eventually the trees became petrified
volcanic ash and leveled the forests.

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There were many lakes and rivers that

a. 65-145 Mya (Cretaceous Period)
Description of the Utah Fossils
Time Period 3

3. 65 mya to 145 mya (Cretaceous Period)
   a. Still a swampy area where there were many tropical plants and vegetation. High mountains started to form in the western part of Utah. An inland sea moved into the eastern part of the state that went from where Washington State is today to the Gulf of Mexico that went against the western mountains.
   b. Dinosaurs still roamed the land. The Utah Raptor was one of these dinosaurs where their bones are found in Emery and Grand Counties. However they were on their way out of becoming extinct.
UTAH'S DINOSAUR RECORD

GEOLOGIC TIME SCALE

CRETACEOUS

NORTH KOREA FORMATION
KAPROVITTS FORMATION
MANDAN FORMATION - MAIN FORMATION
MISSISSIPPI DAKOTA FORMATION
MORRISON FORMATION
CUMBERTON FORMATION - SUMMERVILLE SANDSTONE
ENTIRE SANDSTONE
FAUCET SANDSTONE
NAVAJO SANDSTONE
KAYENTA FORMATION - WITMORE SANDSTONE
CHINLE FORMATION / GROUP
MOENKOPI FORMATION

MILLIONS OF YEARS AGO

DINOSAUR EXTINCTION

FIRST DINOSAUR

BRENNER FORMATION - TANACAN MEMBER - MANDAN SANDSTONE

hiatus

major time gaps in stratigraphic record in white

TRIASSIC

PERMIAN

MAASTRICHTIAN
CONSONANTIAN
ALBIAN
APGUAN
BARRENA
MESOCEAN
THIBETAN
KIMMERSDORF
COLONIAN
CALBRIAN
BATHONIAN
ALEMBIAN
TURKIAN
PHRONIXIAN
SHINUINIAN
MUTOPIAN
RHADOLIAN
NORMAN
CANNIAN
LACHLAN
ANTARCTID
CAMPANIAN

55 75 100 125<br>150 175 200 225 250