

Finding Utah Fossils-What were the Habitats like Then

There are many places in Utah where fossils can be found. Use the Cartesian grid to locate fossils in Utah.

- **Work in groups of three.**
- **Use the clear plastic graph to locate different fossil locations using the information below.**
- **Write your locations for each area on the worksheet provided.**

1. Eastern Uintah County is where Allosaurus fossils can be found (The Utah state fossil.) Fossil hunters can also find Stegosaurus, Brachiosaurus, and Diplodocus fossil remains. These species indicate an extinct tropical climate (Dinosaur National Monument).

2. Emery County is where you will find Utah Raptor bones. This is a fairly new discovery and can be found at the Cleveland-Lloyd Quarry. You will also find leaf fossils from the cretaceous period.

3. Go to Carbon County where the massive coal deposits (which is a fossil fuel) can be found. This indicates that ancient swamps and tropical vegetation could be found in this location millions of years ago.

4. Western Millard County is the location of many different varieties of Trilobites. They can be found in abundance near Antelope Springs. This indicates that an ancient shallow ocean existed during the Paleozoic Era.

5. In Weber County you will find Ogden Canyon which is a good location to find plant fossils, ancient seashell fossils (gastropods and brachiopods) and coral fossils. These existed in the Mississippian and Devonian Periods.

6. Wayne County has an abundance of oyster shells. You can find this location west of Caineville.

7. Washington, Kane, Grand, Garfield, and emery counties form a strip of land where petrified wood can be found. Ancient swamps with massive trees may have been flooded and then covered with silica rich volcanic ash. If this theory

is correct the ash may have been from a volcanic eruption which leveled the forests. This may be how the fossils formed in this area.

8. Both Box Elder and Cache Counties are great locations to look for trilobites, sea shells, and fish fossils from an ancient sea.

9. Iron County has Oyster shell fossils from the Cretaceous Period.

10. Salt Lake County contains Sea Urchin fossils which can be found in Emigration Canyon. This location is also a great place to find a variety of marine fossils.

11. San Juan County has Marine fossils near Chicken Corner Trail.

12. Sanpete and Wasatch Counties have a variety of marine fossils in the Green River Formation.

13. In Sevier County you can find plant fossils from the Cretaceous Period. These can be found at the Black Hawk Formation.

14. Summit and Tooele Counties are the place to go for Horn Coral.

Find the location for each of the fossils described above: Place the coordinate pair for each location in the proper space below.

1. _____ 2. _____ 3. _____ 4. _____

5. _____ 5. _____ 6. _____ 7. _____

8. _____ 9. _____ 10. _____ 11. _____

12. _____ 13. _____ 14. _____