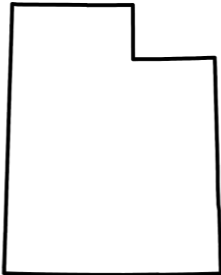


Name: _____

Utah's Geological Resources Through Time

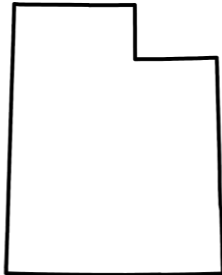
Utah through Time

Use the link below to sketch a **colored** picture of what Utah looked like during the different periods of time. Then answer the questions below each picture. <https://geology.utah.gov/popular/general-geology/geologic-history/utah-a-geologic-history/>



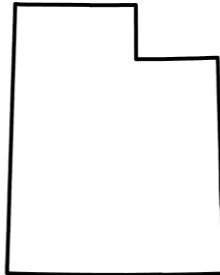
Paleozoic

What type of rock was formed from the coral reefs?



Early Jurassic

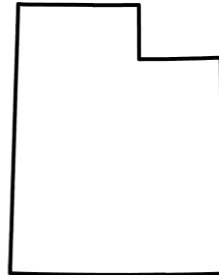
What type of rock was formed from the sand dunes?



Late Jurassic

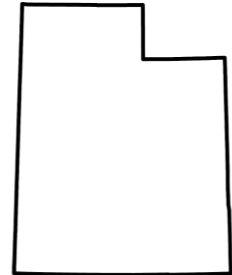
At this time, Utah was a _____,

_____ with _____
& _____ in the west



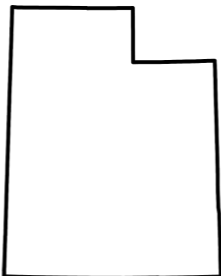
Late Cretaceous

_____ swamps formed behind barrier islands.



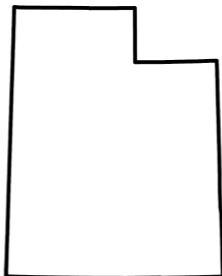
Paleocene

_____ filled the inland sea.



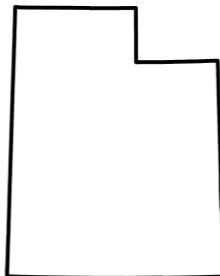
Eocene

Bottom sediments produced fish fossils & _____



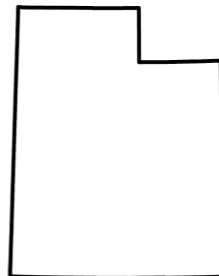
Oligocene

With the extension of western Utah, we have Basin & Range & extensive _____ activity.



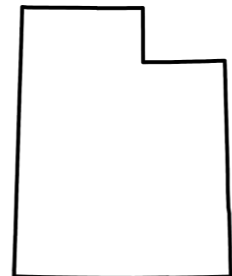
Miocene

Volcanic activity continued and formed 3 great _____ mineral belts.



Pleistocene

Because the climate was wet & cold, _____ activity took place.



Present

The history of Utah determines the location of _____ & _____ sites.

Utah's Geological Resources

Using the geologic map of Utah, the transparencies of Utah Resources and the internet for research, fill in the charts about Utah's Geological Resources.

| Utah's Geological Resources | Uses (must have at least 2) | Compare to Utah Geology Map (What rock types and features from the Utah Geology map overlap the areas where your resource is found?) |
|-----------------------------|--------------------------------|---|
| Metals | | |
| Iron | | |
| Copper | | |

| Utah's Geological Resources | Uses (must have at least 2) | Compare to Utah Geology Map (What rock types and features from the Utah Geology map overlap the areas where your resource is found?) |
|------------------------------------|---------------------------------------|--|
| Gold | | |
| Silver | | |
| Lead | | |
| Evaporites | | |
| Salt | | |
| Potash | | |
| Magnesium | | |
| Phosphates | | |
| Fossil Fuels | | |
| Coal | | |
| Other Resources | | |
| Building Stone | | |
| Gems | | |

Questions:

1. Using the transparencies, what patterns do you see in the types of resources and the locations they are found. Describe these patterns in 2-3 sentences.

Use the top of the worksheet "Utah Through Time" and the knowledge you gathered on how Utah has changed, to answer the following questions.

- Fossil fuels are generally located in the eastern part of Utah. What happened in Utah's past to form these fossil fuels?
- Metals are generally located in the western part of Utah. What happened in Utah's past to form these metals?
- What is one thing most of the metals have in common?
- Why would Utah have large resources for salts?
- Why would metals not be found with the evaporites?
- Why do you think these resources are unevenly distributed?