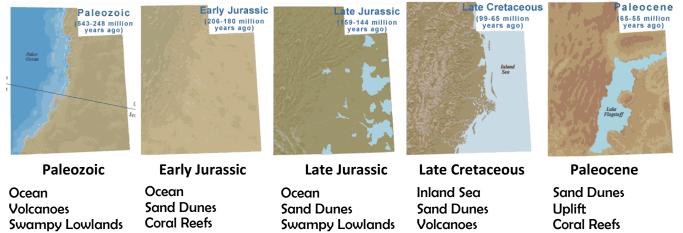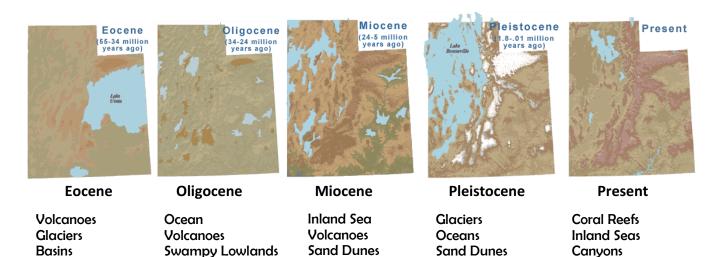Name: _____

8.4.1/8.4.2/8.4.3 Intervention

Task 1– Utah through Time

Look at the pictures of Utah through time. Below each picture, **circle** the type of geological even that occurred during that time period. You may find the following link helpful…

https://geology.utah.gov/popular/general-geology/geologic-history/utah-a-geologic-history/

Paleozoic

Ocean
Volcanoes
Swampy Lowlands

Early Jurassic

Ocean
Sand Dunes
Coral Reefs

Late Jurassic

Ocean
Sand Dunes
Swampy Lowlands

Late Cretaceous

Inland Sea
Sand Dunes
Volcanoes

Paleocene

Sand Dunes
Uplift
Coral Reefs

Eocene

Volcanoes
Glaciers
Basins

Oligocene

Ocean
Volcanoes
Swampy Lowlands

Miocene

Inland Sea
Volcanoes
Sand Dunes

Pleistocene

Glaciers
Oceans
Sand Dunes

Present

Coral Reefs
Inland Seas
Canyons

Task 2– Natural Resources and their Geology

Go to the following link and answer the questions as you read.

https://www.ck12.org/user:dxrhac1vzxitzg9llnbhcnruzxjay2sxmi5vcmc./book/8th-Grade-Science-for-UT-SEEd-Standards/section/5.1/

Explore this Phenomenon

1. One of the main natural resources in Utah is _____. The black layers in the _____ rock are seams of coal.

Natural Resources

2. _____ resources are substances constructed by nature that help to support life on Earth.

3. Over millions of years, _____ material growing in bogs and swamps gets buried, compacted, and altered as organisms die and build up. This is the process that forms _____.

4. Resources are not equally distributed across the earth. Some areas have access to many varied resources while others have few to none. The distribution of many natural resources depends on the _____ of the area.

Mineral and Fossil Fuel Resources and Geology

5. The natural resources that our society uses form in very specific environments. The way the _____ in an area formed determines the _____ resources that are found there.

6. List the 4 groups that mineral and fossil fuel resources fall into:
a.   c.
b.   d.

7. Water resources are also dependent on the geology of an area. Water will only collect in and flow through certain types of _____.

8. Fill in the chart below by writing a brief description of where each resource is found.

Resource	Where it is found
Metals	
Salt, Calcite, Gypsum	
Uranium	
Fossil Fuels	
Precious Gems	
Building Materials	
Water	

Task 3– Renewable/Nonrenewable Resources

Draw a green circle around the Renewable Resources and draw a red circle around the Nonrenewable Resources.

Solar   Coal   Oil/Petroleum   Wind (air)   Natural Gas   Vegetation   Water   Geothermal

Define Renewable Resource:

Define Nonrenewable Resource: