Geologic Time Scale Project
Mr. Fineman and Mr. Swajkowski

Intro
After completing the Geologic Time Scale lab, we now know that there were many eons, eras, and periods during Earth’s history. The Earth was markedly different during each one of these periods of time, but how different was our planetary home during these times as compared to now? What was the atmosphere like? What creates ruled the Earth before humans? *Your job is to find out and tell the class about it. (Note that each group should select a different period of Earth’s history. No duplicates)*

Directions
There are a total of 15 different Periods of Earth’s history. Instead of having you research each Period yourself, you will form into groups of two people and research one of periods of Earth’s history, and prepare a presentation for the class to answer the following questions:

1. What is the **name of the period** you are researching?
   a. What does the name mean?

2. How **long** did this period last for?
   a. When did this period **start**? When did it **end**?
   b. What **era** is this period a part of? (If applicable)

3. What was Earth’s **climate** like during this period?
   a. **What was happening** on Earth during this period that was responsible for this climate? (What organisms were alive that would contribute to the climate being this way?)

4. What was the **atmosphere** like during this time?
   a. What was the **atmosphere** comprised of during this time?

5. What was the state of Earth’s **continents**?
   a. What did Earth **look like** during this period?
   b. **Where** were Earth’s continents?
   c. Which continents were **together** – which were **separate**?
6. What **animals or life forms** lived during this time period (at least **four** organisms)
   *Include pictures if possible.*

7. What **plant life** lived during this time? (at least **two** organisms)
   *Include pictures if possible.*

8. What **major events** occurred in Earth’s history during this period of time?

You will be presenting this information to the class. You should prepare a **PowerPoint**
presentation, a **poster**, or a **video** to convey your information. (There needs to be some sort of
visual aspect to your project.) Presentations will be **five minutes long** and every member of the
group must state what their contribution to the project was, and **speak at least once** during
your group’s presentation.

At the end of your presentation, you must include your sources from your presentation,
as well as what information you got from each source. When you are finished presenting your
presentation, you must submit a copy of your presentation to me.

The periods of Earth you are selecting from are:

<table>
<thead>
<tr>
<th>Hadean Eon</th>
<th>Archean Eon</th>
<th>Proterozoic Eon</th>
<th>Cambrian Period</th>
<th>Ordovician Period</th>
</tr>
</thead>
<tbody>
<tr>
<td>Silurian Period</td>
<td>Devonian Period</td>
<td>Carboniferous Period</td>
<td>Permian Period</td>
<td>Triassic Period</td>
</tr>
<tr>
<td>Jurassic Period</td>
<td>Cretaceous Period</td>
<td>Paleogene Period</td>
<td>Neogene Period</td>
<td>Quaternary Period / Anthropocene Period</td>
</tr>
</tbody>
</table>

Presentations will occur on the following days:

**Period 5:**
Thursday 10/16  Friday 10/17  Tuesday 10/21

**Period 7:**
Friday 10/17  Monday 10/20  Tuesday 10/21

I am working with: _______________________________________

We are going do a presentation about the: ______________________