

Name _____ Section _____ Date _____

Scale Homework

Directions: We practiced representing large scale (13.8 billion years!) on a timeline, which about the biggest scale you're ever going to see on a timeline. You worked as groups on that, but on this assignment, I want to make sure you can make a timeline by yourself. The assignment is 3 parts-- all parts must be completed for full credit.

Part 1: Timeline

Place the following events on the separate timeline sheet. You should be as precise as possible. Make sure you have:

- A title for the timeline
- Beginning and end dates
- All the events below plotted accurately

The Greatest Inventions In The Past 1000 Years

| | Invention | Year | Inventor | Notes |
|----|----------------------|-------------|--------------------------------|---|
| 1 | Printing Press | 1450 | Johannes Gutenberg | allowed literacy to greatly expand |
| 2 | Electric Light | 1879 | Thomas Edison | powered countless social changes |
| 3 | Automobile | 1885 | Karl Benz | increased personal mobility and freedom |
| 4 | Telephone | 1876 | Alexander Graham Bell | spread communication across wide areas |
| 5 | Radio and Television | 1895 & 1926 | Guglielmo Marconi & John Baird | made the world smaller |
| 6 | Vaccination | 1796 | Edward Jenner | protected people from disease |
| 7 | Computer | 1939 | John Atanasoff, et al. | transformed business world; predecessor to the Internet |
| 8 | Airplane | 1903 | Orville and Wilbur Wright | allowed people and products to quickly move across |
| 9 | Gas powered tractor | 1892 | John Froelich | started agricultural mechanization |
| 10 | Anesthesia | 1844 | Horace Wells | provided a great leap forward for medicine |

If you need a help plotting your events on the timeline:

- 1). How many years are you trying to represent? _____
How many hashes are there? _____
So, how much time passes with every hash? (Divide the top number by the bottom number)
- 2). Plot a few key numbers (beginning, end, and a few in the middle) to help you get your bearing.
- 3). Then plot your events from the above chart.



Part 2: Timeline Questions

Answer all in complete sentences:

1. Pretend that I am looking at a timeline of Kelly's summer (July & August, 2015). Based on that, provide one example of larger scale and one example of smaller scale.
2. Which timeline (The history of the universe or the inventions of the past 1000 years) did you think was easier to plot on a timeline? Why? (at least 2 sentences)
3. Why do you think it seems like so much more is happening near the end of timelines? (at least 2 sentences)

Part 3: Self-Assessment

4. On a scale of 1-5, (1=lowest, 5= highest), how would you rate your understanding of scale and how to read/create timelines? Explain your score (2 sentences)
5. Who were your group members for the timeline activity? If I were to give 10 participation points to the whole group, how should I distribute them? (For example, Student A worked hard, B worked sort of hard, and C was pretty lazy. I might give A 6 points, B 3 points, and C 1 point.) Explain your reasoning.