Name:

***Geological Timeline Activity***

Using available resources, fill in the approximate age for the following events.

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| --- | --- | --- |
| **Event** | **Approximate Age** | **Time Era** |
| Formation of the Earth |  |  |
| Earliest humans |  |  |
| Mesozoic Era begins |  |  |
| First known reptile |  |  |
| Oldest multi-celled organism |  |  |
| First known mammal |  |  |
| Rocky Mountains formed |  |  |
| End of the last ice age |  |  |
| First single celled organism |  |  |
| First known fish |  |  |
| Oldest known fossil |  |  |
| Columbus discovers America |  |  |
| Paleozoic Era begins |  |  |
| Oldest known rock |  |  |
| Shelly fossils occur |  |  |
| First known plant |  |  |
| First known amphibian |  |  |
| Proterozoic Eon begins  |  |  |
| Oldest vertebrate fossil |  |  |
| Oldest fossil of a spider |  |  |
| Time of sabre-tooth cats |  |  |
| Oldest fossil of a shark |  |  |
| Oldest dinosaur fossil |  |  |
| Cambrian Explosion |  |  |

**Questions and Reflections**

1. Go back to the chart above and using the data given to you by your teacher, fill in the third column titled “Time Era”.
2. The Phanerozoic Eon is split into three eras, what are they? List them in chronological order. (Hint: Look at your slides from class)
3. During what periods did amphibians, fish, mammals, plants and reptiles appear on the Earth?
4. What time era do we live in today?
5. How does the geological timeline help scientists?
6. Which of the three ***most recent*** eras was the largest?