Name: Date:	Name:	Class Period:	Date:	
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Problem 1

Put the following events on the timeline above:

- A. Mesozoic Era Begins
- B. Paleozoic Era Begins
- C. Cenozoic Era Begins
- D. K-T Extinction Event
- E. Permian Extinction Event
- F. Appearance of Brachiopods
- G. T-Rex appearance

Problem 2:

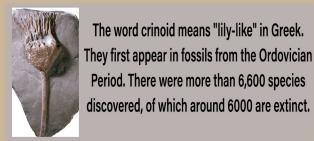
How long have Crinoids been around and why do you think they still survive today?

Approximately 250 mya extreme volcanic activity in Siberia caused global warming. The planet had elevated CO2 and sulfur levels causing ocean acidification, acid rain, and changes in ocean and land chemistry.



A modern crinoid.

Image courtesy of the NOAA Office of Ocean Exploration and Research, 2016 Deepwater Exploration of the Marianas.



Tyrannosaurus rex

The T. rex was one of the largest land carnivores of all time.

They lived about 70 million years ago and grow up to 40 feet in length and 12 feet in height.

K-T Mass Extinction Event

This event happened at the end
of the Cretaceous Period
(65 mya) and led to the
extinction of the dinosaurs.
It was caused by an Asteroid
impact in Yucatán, Mexico.
The impact caused a global
catastrophe and rapid cooling.
76% of species on the planet
became extinct.

