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Solution 3

Anthropocene Extinction:-

Anthropocene is the ongoing sixth mass extinction, may be one of the most serious environmental threats to the persistence of civilization.

The research ~~also~~ claims that this extinction will be human-caused and it will be more immediate than climate destruction.

In the past 60 years particularly, the human alteration in physical, chemical and biological system of the planet have unfolded at an unprecedented rate as well as scale. This period is sometime known as great acceleration.

The global state of geochemical, climatological and biological changes caused by humans has led scientists to propose a new epoch, the Anthropocene, to signify the stratigraphically distinct and pervasive impact of humans on the planet Earth.

Permian Extinction :-

It is also known as the Permian-Triassic Extinction or end-Permian extinction, a series of extinction pulses that contributed to the greatest mass extinction in the Earth's history.

Many geologists and paleontologists contend that the Permian extinction occurred over the course of 15 million years, during the later part of the Permian period, (252 million to 252 million years ago).

However, others claim that the extinction interval was much more rapid, lasting only about 20,000 years, with the bulk of species loss occurring over a 20,000-year span near the end of the period.

The Permian extinction was characterized by the elimination of over 95% of marine and 70% of the terrestrial species. In addition, over half of all taxonomic families present at that time got disappeared. This event ranks first in the severity of the five major extinction episodes that span geological time.