Carnian Pluvial Episode

Source:TH

The **Carnian Pluvial Episode (CPE)** was a period of **extended and intense rainfall** that occurred in the late **Triassic Period** (approx. **230 million years ago**).

- It had a significant impact on the **evolution** of both terrestrial and marine life.
- Researchers believe that this prolonged rainfall was the result of global **climate change** caused by **extensive volcanic activity** in the **Wrangellia Province** (located in western coast of North America).
- During the late Triassic period, all of the Earth's landmasses were joined together to form one large **supercontinent** known as **Pangaea.**
- **Impact of CPE:**
    - It caused **mass extinction of marine life and terrestrial species,** wiping out about one-third of all species and leading to a decrease in biodiversity.
        - However, it also created an opportunity for **new and different marine and terrestrial species to evolve,** including the rise of dinosaurs .
- The CPE is believed to have set the stage for the **Mesozoic Era**, known as the **age of the dinosaurs,** in which dinosaurs emerged and flourished, dominating terrestrial ecosystems for the next 150 million years.

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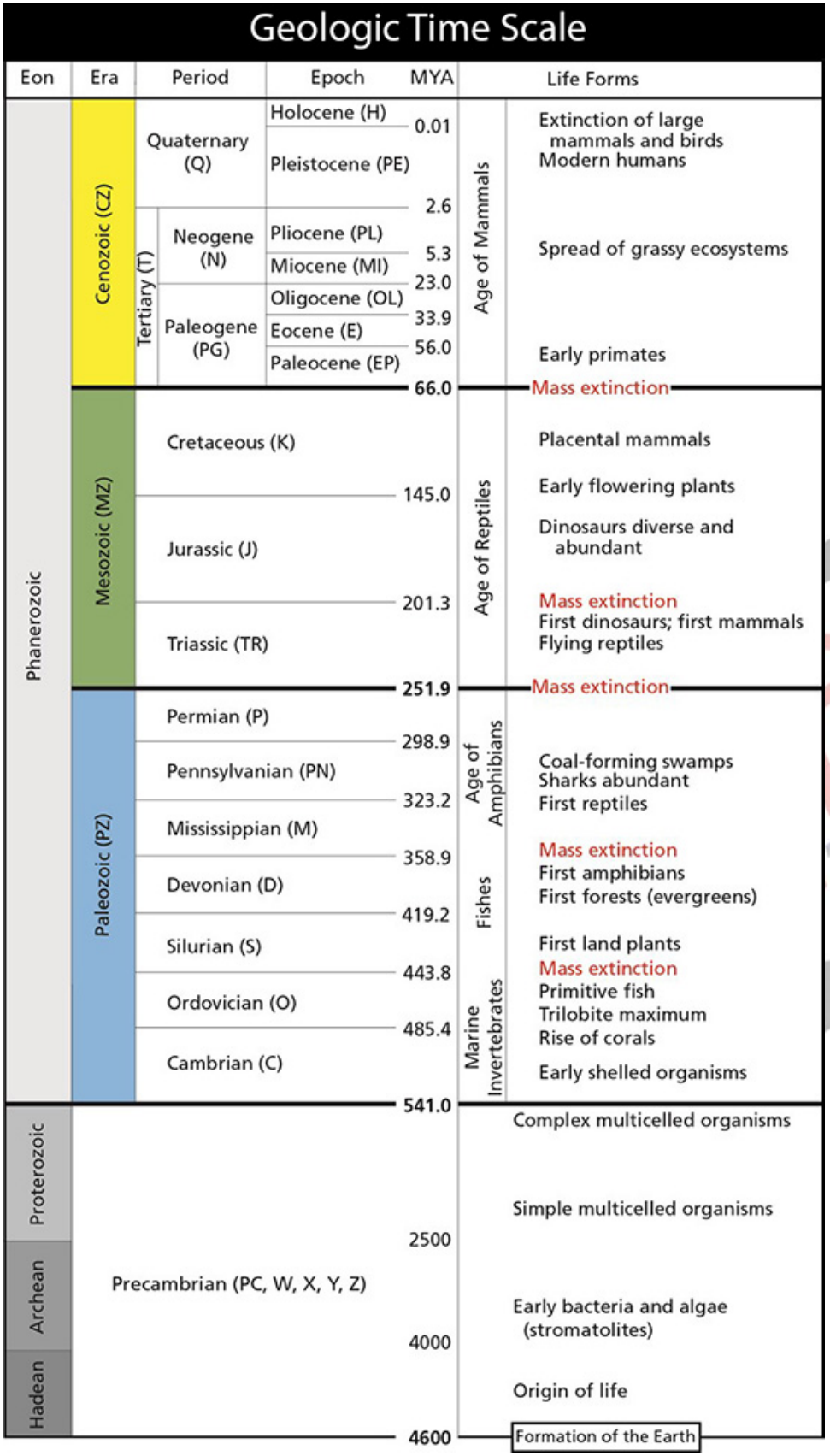

Read more: Mass Extinction, Bharitalasuchus Tapani: A Carnivorous Reptile, Footprints of 3 Dinosaur Species: Rajasthan