

Cosmic Timeline (WWCoC)

- 4.6 Billion Years Ago/Ga (Gigaanum): The Sun and Solar System come into being
- 4.54 Ga: Earth Forms
- 4.5 Ga: Moon Forms
- 4.4 Ga: Oceans Form
- 4.2 Ga: Earliest possible emergence of life on earth
- 3.5 Ga: Life develops Photosynthesis
- 717-660 Million Years Ago/Ma (Megaanum): [Sturtian Glacial Episode](#) (Snowball Earth)
- 650-635 Ma: [Marinoan Glacial Episode](#) (Snowball Earth)
- 575 Ma: [Avalon Explosion](#)
- 525 Ma: [Cambrian Explosion](#)
- 444-445 Ma: [Late Ordovician Mass Extinction Event](#)
- 327 Ma: [Late Devonian Mass Extinction Event](#)
- 252 Ma: [Permian-Triassic Extinction Event](#)
- 201.3 Ma: [Triassic-Jurassic Extinction Event](#)
- 66 Ma: [Cretaceous-Paleogene Extinction Event](#)
- 15-12 Ma: Solar System Crosses Through the Radcliffe Wave

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