

# GEOLOGICAL TIME SCALE

International Chronostratigraphic Chart v.2024

ERA	PERIOD	START (MYA)	KEY BIOLOGICAL & GEOLOGIC EVENTS
<b>Cenozoic</b>	Quaternary	2.58	Evolution of genus Homo; Repeated glaciation (Ice Ages).
	Neogene	23.0	Rise of hominids; Diversification of mammals and birds.
	Paleogene	66.0	Mammals fill ecological niches; Rise of modern plants.
<b>Mesozoic</b>	Cretaceous	145.0	First flowering plants; Mass extinction (K-Pg) at end.
	Jurassic	201.3	Dominance of dinosaurs; First birds; Pangea breaks up.
	Triassic	251.9	First dinosaurs and mammals; Recovery from Permian extinction.
<b>Paleozoic</b>	Permian	298.9	Formation of Pangea; Largest mass extinction in Earth's history.
	Carboniferous	358.9	Coal-forming swamps; High oxygen levels; First reptiles.
	Devonian	419.2	"Age of Fish"; First amphibians and forests appear.
	Silurian	443.8	Stabilization of climate; Evolution of vascular plants.
	Ordovician	485.4	Diversification of marine invertebrates; First land plants.
	Cambrian	541.0	"Cambrian Explosion"; Rapid appearance of complex life forms.