

Name:

Period:

Date:

Name of Period	Millions of Years Ago	Common Organisms	Description of Environment (temperature, atmosphere, etc.)	New Traits to Evolve
Cambrian	530	Arthropods, first fish, trilobites, jellyfish	- 30% less oxygen than today - most life is in the sea	- eyes - backbone
Silurian	418	fish, sea scorpions, orthocone (squid), first plants	- 30% less oxygen - higher CO ₂ - most life in the sea	- upward growth in plants - ability to walk on land (lungs) - complex brain
Devonian	360	amphibians, fish, forests on land	- 20% less oxygen - trees on land	- first jaw & teeth - first limbs - complex lungs
Carboniferous	300	giant arthropods, reptiles giant ferns	- 40% more oxygen - swamp forests	- scaly skin - tough egg shells - complex heart
Early Permian	280	conifers, reptiles	- 20% colder than today - extreme seasons - drier than Carboniferous	- strong muscles & bones - "sail" for body temp. regulation - basic parental care - specialized teeth
Late Permian	250	reptiles, some mammal-like (Gorgonopsid)	- volcanic activity - extreme heat (60% hotter than today) - drought	- straight legs for speed - larger brain - ear bones - large, sharp teeth - scent glands
Triassic	248	reptiles dominant, dragonflies	- 40% hotter than today - coniferous forests	- hip allows running on hind legs - migration