

Years ago	Events occurring
875,000,000,000	Andronover nebula initiated p.652B
6,000,000,000	Birth of our sun p.655B
4,500,000,000	Origin of our solar system p.655c
3,500,000,000	Nucleuses of planets well formed p.658C
1,000,000,000	Actual beginning of Earth's history p.660B
Archeozoic "prelife era"	
550,000,000	Original life patterns p.667D
Proterozoic "life-dawn era"	
450,000,000	Transition from vegetable to animal p.669B
Proterozoic	
400,000,000	First multicellular animals
Cambrian	First vegetation on land p.673B
350,000,000	Trilobites dominant living creatures
Ordovician	Shrimps, crabs, lobsters, brachiopods
300,000,000	Cephalopods, octopus, cuttlefish p.674C
Silurian	Brachiopods, clams, oysters, scallops p.676B
270,000,000	Scorpions-actual air breathers appear
Devonian	Mollusks monarchs of the sea p.677D
220,000,000	Vast forests of ferns
Carboniferous	Age of fishes p.680A
180,000,000	Appearance of land snails, scorpions, and frogs Coal deposition epoch
Permian	Age of ferns and frogs p.680D
160,000,000	Seed plants first appeared
	Only 500 species of living things survived p.682D
150,000,000	Early reptillian age, petrified forests, ammonites developed
Triassic	Reptillian dinosaurs p.686C
125,000,000	Huge noncarnivorous dinosaurs
Jurassic	Sea serpents p.688A

PALEZOIC PERIOD

MESOZOIC PERIOD

MESU

100,000,000

Cretaceous

50,000,000

Eocene

45,000,000

40,000,000

35,000,000

Oligocene

30,000,000

25,000,000

Miocene

20,000,000

15,000,000

CENOZOIC PERIOD

Flying pterosaurs Reptilian age

was drawing to a close p.688D

Chalk-making foraminifers p.688D

Modern mountain building stage p.689B

Angiosperms emerged p.689D

Modern crocodile and true snake

Age of birds p.691B

North American placental type  
of mammals appear p.693C

Small hores, rhinoceroses, tapirs,  
pigs, squirrels, lemurs, opossums,  
tribes of monkeylike animals p.694A

World overrun by primitive mammalian  
fauna of various types p.694

Present-day orders of marine life in  
existence Disappearance of dinosaurs

Venerable frog, only remaining group  
of man's earlier ancestors Dogs and  
rodents p.695

Modern types of mammals begin to  
appear Plains or hoofed type of  
grazing species Modern whales,  
dolphins, porpoises, seals, and  
sea lions Majority of modern birds  
were existent p.696

Increase in varieties of grasses  
Mammalian teeth gradually altered  
to the present day grazing type  
p.696C

Golden age of mammals First deer  
appeared Oxen, camels, bison,  
rhinoceroses, and huge elephants  
p.696D

Mediterranean became an inland salt  
sea Age of horses and elephants  
Primitive monkey and gorilla evolve  
p.697

10,000,000  
 Pliocene  
 5,000,000  
 1,500,000  
 1,000,000

Last great world-wide animal migration  
 Cat family dominated the animal life  
 Giraffe appeared in Africa p.698C  
 Horse evolved as it now is  
 Distinct types of life began to develop  
 in Eastern and Western hemispheres  
 p.698D  
 Early lemur types  
 Dawn Mammals  
 Mid-mammals  
 Primates  
First human beings p.700

