

Figure 1.5a: COSMIC CALENDAR

JANUARY	FEBRUARY	MARCH	APRIL-JULY	AUGUST	SEPT-OCT	NOVEMBER
January 1 The Big Bang	Expansion and evolution of the early Universe	Birth of the Milky Way Galaxy		The Solar System forms	First single-celled organisms appear on Earth	First multi-celled organisms evolve

DECEMBER						
1 Oxygen atmosphere develops on Earth.	2	3	4	5 Vulcanism and formation of channels on Mars.	6	7
8	9	10	11	12	13	14
15	16 First worms appear.	17 End of Precambrian period. Paleozoic Era begins. Invertebrates flourish.	18 First plankton appears. Trilobites flourish.	19 Ordovician period begins. First fish and vertebrates appear.	20 Silurian period begins. Vascular plants appear. Plants flourish on land.	21 Devonian period begins. First insects appear. Animals begin to flourish.
22 First amphibians appear. First winged insects appear	23 Carboniferous period begins. First trees appear. First reptiles.	24 Permian period begins. First dinosaurs appear.	25 Paleozoic period ends. Mesozoic era begins.	26 Triassic period begins. Appearance of first mammals	27 Jurassic period begins. First birds appear.	28 Cretaceous period begins. First flowers appear. Dinosaurs become extinct.
29 Mesozoic era ends. Cenozoic era begins. Appearance of first primates.	30 Development of primate brains. First hominids appear.	31 End of Pliocene period. Quarternary period begins. First humans appear.				