

Milestones in the History of Universe

(Last updated by K. V. Shajesh on August 11, 2013)

$t_0 = -13\,798\,000\,000$	years	:	Big bang
$t_0 + 377\,000$	years	:	Hydrogen atom formation (CMBR)
$-13\,500\,000\,000$	years	:	Star formation
$-13\,100\,000\,000$	years	:	Galaxy formation
$-4\,750\,000\,000$	years	:	Sun formation
$-4\,570\,000\,000$	years	:	Earth formation
$-3\,000\,000\,000$	years	:	Origin of life on Earth
$-500\,000\,000$	years	:	- Multicellular life
$-230\,000\,000$	years	:	- Mammals
$-66\,000\,000$	years	:	- Extinction of Dinosaurs
$-6\,000\,000$	years	:	- DNA bifurcation of humans and apes
$-500\,000$	years	:	- DNA bifurcation of humans and Neanderthals
$-195\,000$	years	:	- Oldest fossil record of humans
$-30\,000$	years	:	- Extinction of Neanderthals
$-12\,000$	years	:	Agriculture revolution
$-5\,300$	years	:	Human civilizations begin (Societies)
$-3\,100$	years	:	Beginning of written history
$-2\,400$	years	:	Empires established (Countries)
$00\,000\,000\,000$	years	:	
$+1\,450$	years	:	Printing press revolution (Books)
$+1\,980$	years	:	Digital revolution (Internet)

• Background image: The cosmic microwave background radiation observed by Planck Space Observatory, released on 2013 Mar 21.

• Trailing zeros are not necessarily significant.