



liquid surface water present

Hadean

Archaean

eukaryotic cells evolve

Proterozoic

first biological intelligence

Phanerozoic

Ikanozoic

Astrozoic

interstellar intelligence

$t=0$

1 Gyr

2 Gyr

3 Gyr

4 Gyr

5 Gyr

6 Gyr

first unicellular life

multicellular life emerges

advanced intelligence