Pre- Hadean	Hadean	4.00	Arch	ean	2.50	Proterozoic			5	nanero oic
4.50 4.54 4.60		3.80 3.90	Earliest geological evidence of rivers 3.20 [in a world with no free oxygen in the atmosphere!		Rivers in a world 1 with an oxygenated atmosphere	Earth events timeline	0.70	biosphere	a complex terrestrial	
Proto-Earth  Birth of the Solar System		Permanent oceans Origin of life? 3.80 Late heavy bombardment of asteroids	Beginning of plate tectonics and modern-style ocean basins Oldest fossils 3.50	timeline	Free oxygen in atmosphere Oxygenic 2.40 photosynthesis	Origin of sex and multicellular 1.20 eukaryotes  Eukaryotes 1.80		Origin of marine animals> 0.70	Cambrian marine radiation 0.54	Modern humans ————