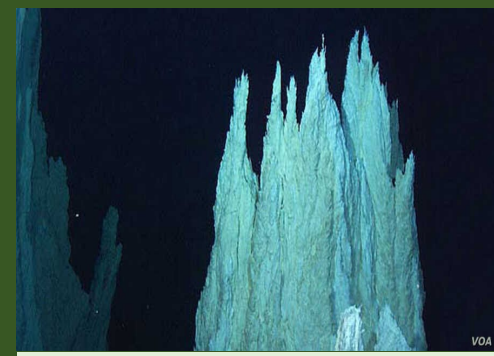
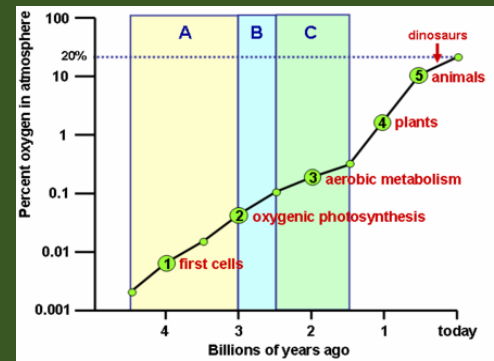


THE GREAT OXIDATION EVENT



Modern lost city vents



Correlation between atmospheric oxygen levels and organism development



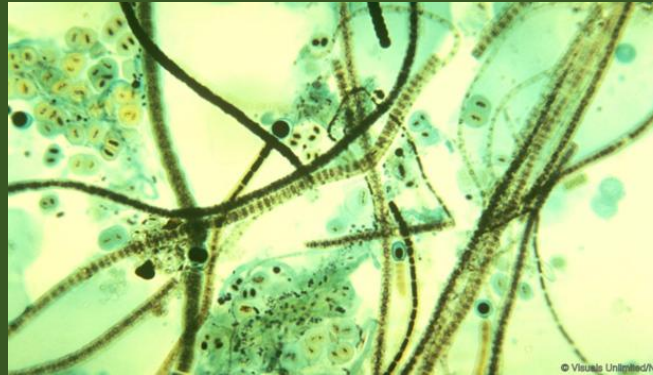
Modern cyanobacteria, magnified 2400x. A distant ancestor of this algae changed the entire planet.



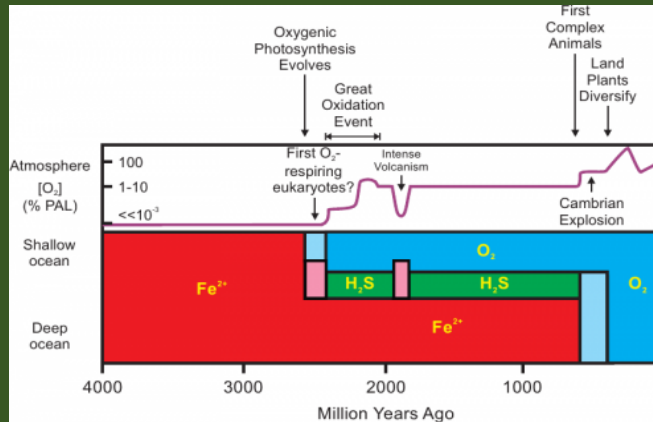
The iron formation in this Australian rock shows high concentrations of chromium, which is believed to be evidence of the arrival of oxygen in the Earth's atmosphere



A cyanobacteria bloom in Guatemala's Lake Atitlán created a vast dead zone in the otherwise fecund lake



Cyanobacteria began production of oxygen, promoting evolution into multicellular forms.



Earth's surface oxygenation over time and the corresponding biological evolutions

LIFE BEFORE



Earth before the rise of oxygen

LIFE AFTER



Modern complex animals could not exist without oxygen