

പ്രപ്പണവും ജീവനും

സയൻസ് കൗൺസിൽ

ഉമ്പല്ലാ സയൻസിലെ കണ്ണിൽ



കേരള ശാസ്ത്രസാഹിത്യ
പരിഷത്ത്



Bacteria

Gram-positive

Firmicutes
Actinobacteria
Thermotogae
Deinococcus
Chloroflexi
Cyanobacteria
Spirochetes
Chlorobi
Fibrobacteria
Chloridiates
Aquificae
Halobacteria
Methanomicrobia
Archaeoglobi
Thermoplasmata
Methanobacteria
Methanococci
Methanopyri
Thermococci
Nanoarchaeota
Thermopluteales
Desulfobacterales
Sulfobacterales
Rhizaria
Excavata
Glaucoophyta
Rhodophyceae
Chloroplastida
Alveolata
Stramenopiles
Amoebozoa
Fungi
Animalia

Gram-negative

Proteobacteria
Aquificae
Chlamydiae
Bacteroidetes

Archaea

Euryarchaeota

Methanococci

Methanopyri

Thermococci

Nanoarchaeota

Thermopluteales

Desulfobacterales

Sulfobacterales

Rhizaria

Excavata

Glaucoophyta

Rhodophyceae

Chloroplastida

Crenarchaeota

Cren

archaeota

Set

Archaeota

Set

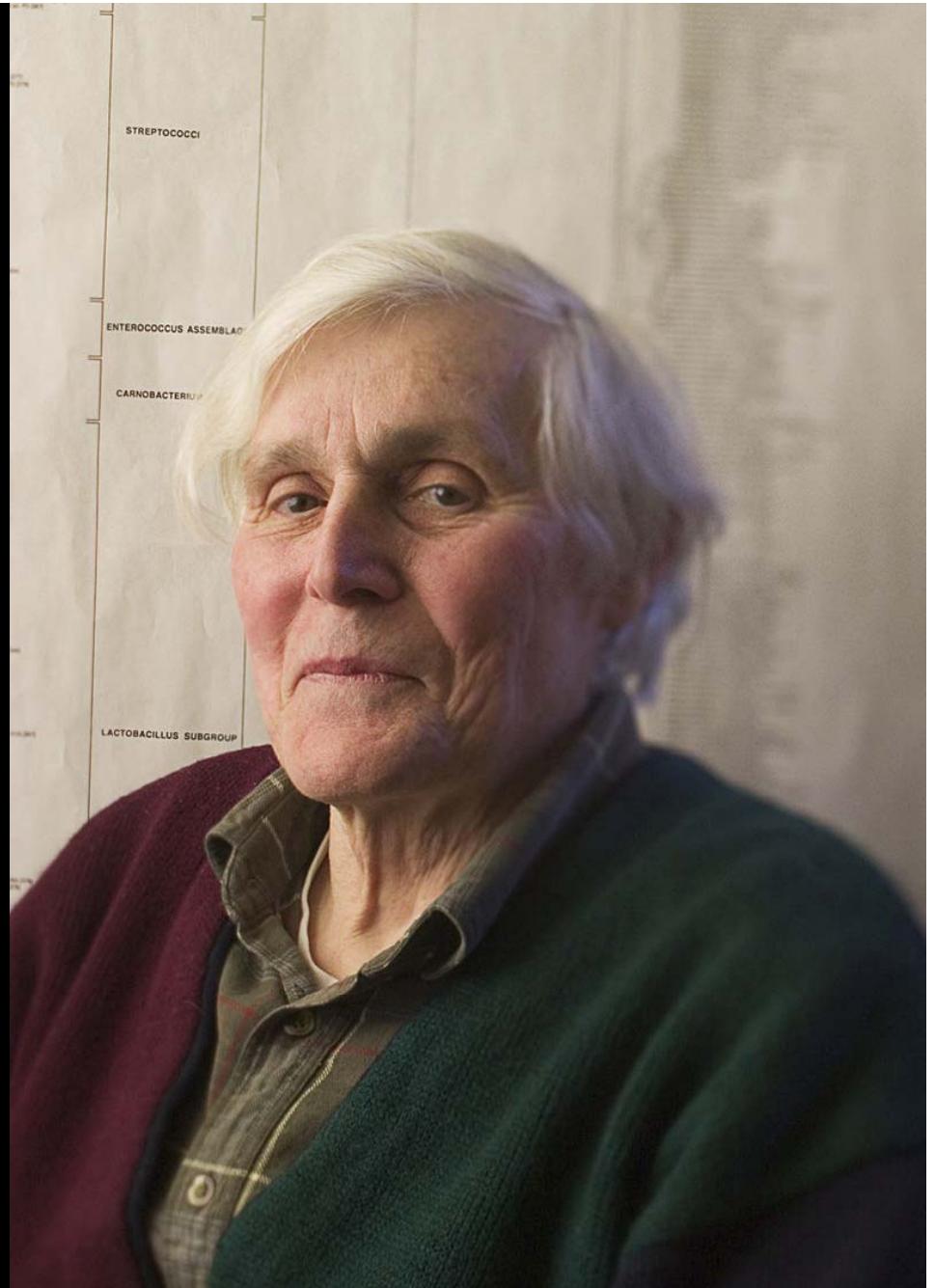
Archaeota

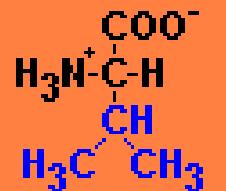
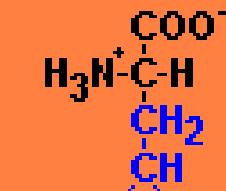
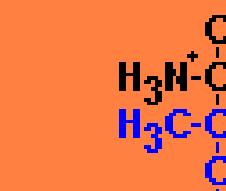
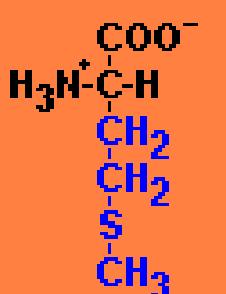
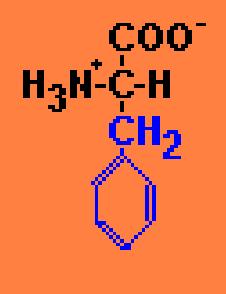
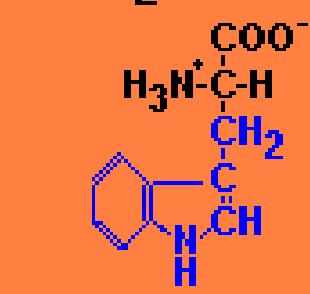
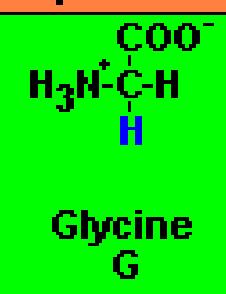
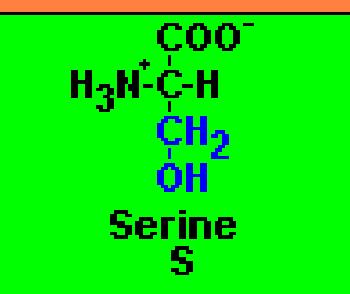
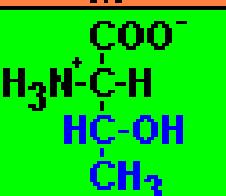
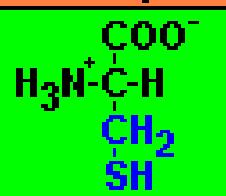
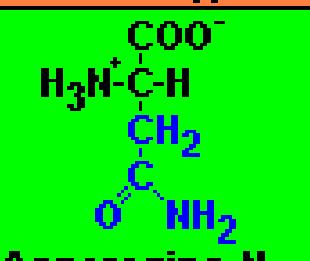
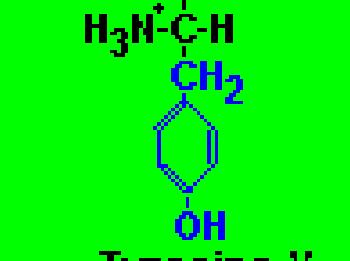
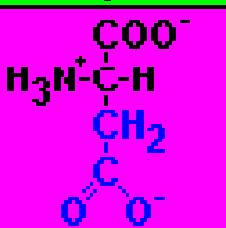
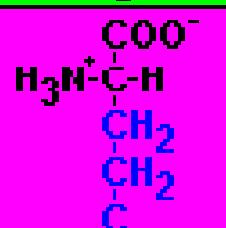
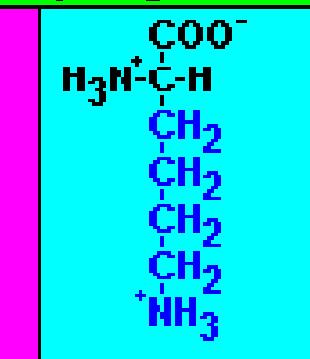
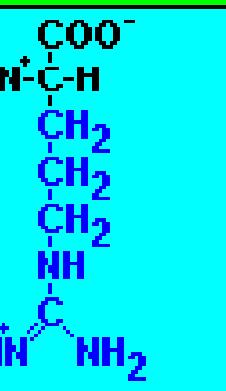
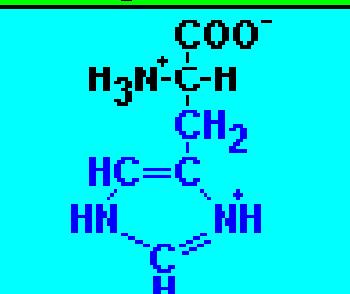
Bikonta
Bikonta
Bikonta
Unikonta

Stramenopiles
Amoebozoa
Fungi
Animalia

Unikonta

Carl Woese
1928 - 2012



DNA



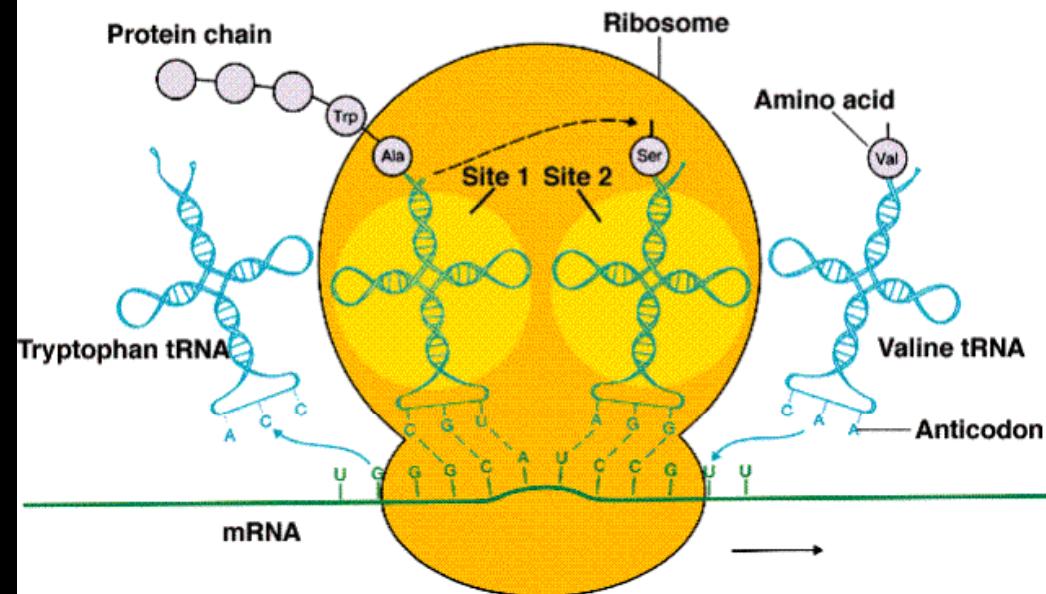
Replication

Transcription

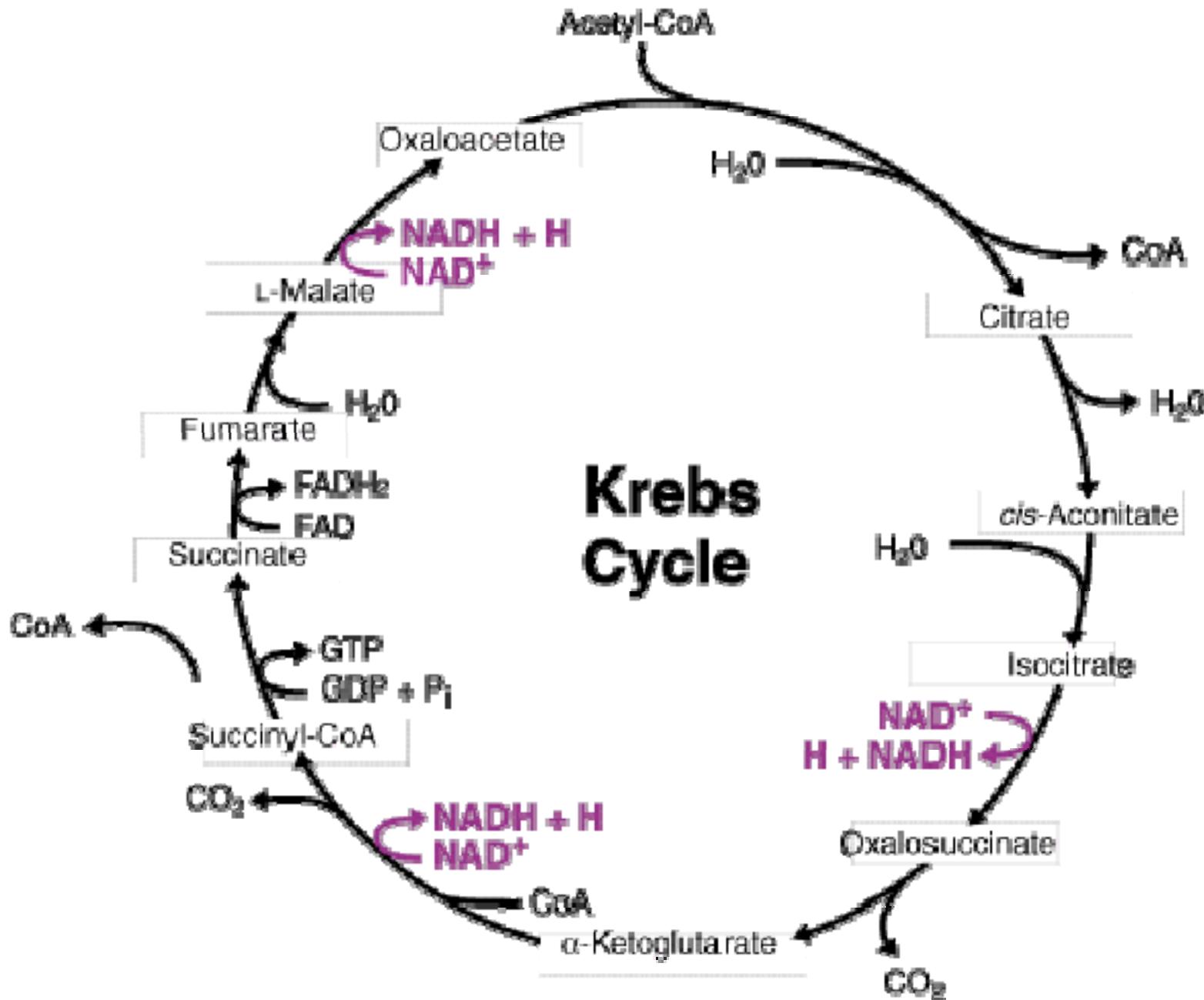
RNA



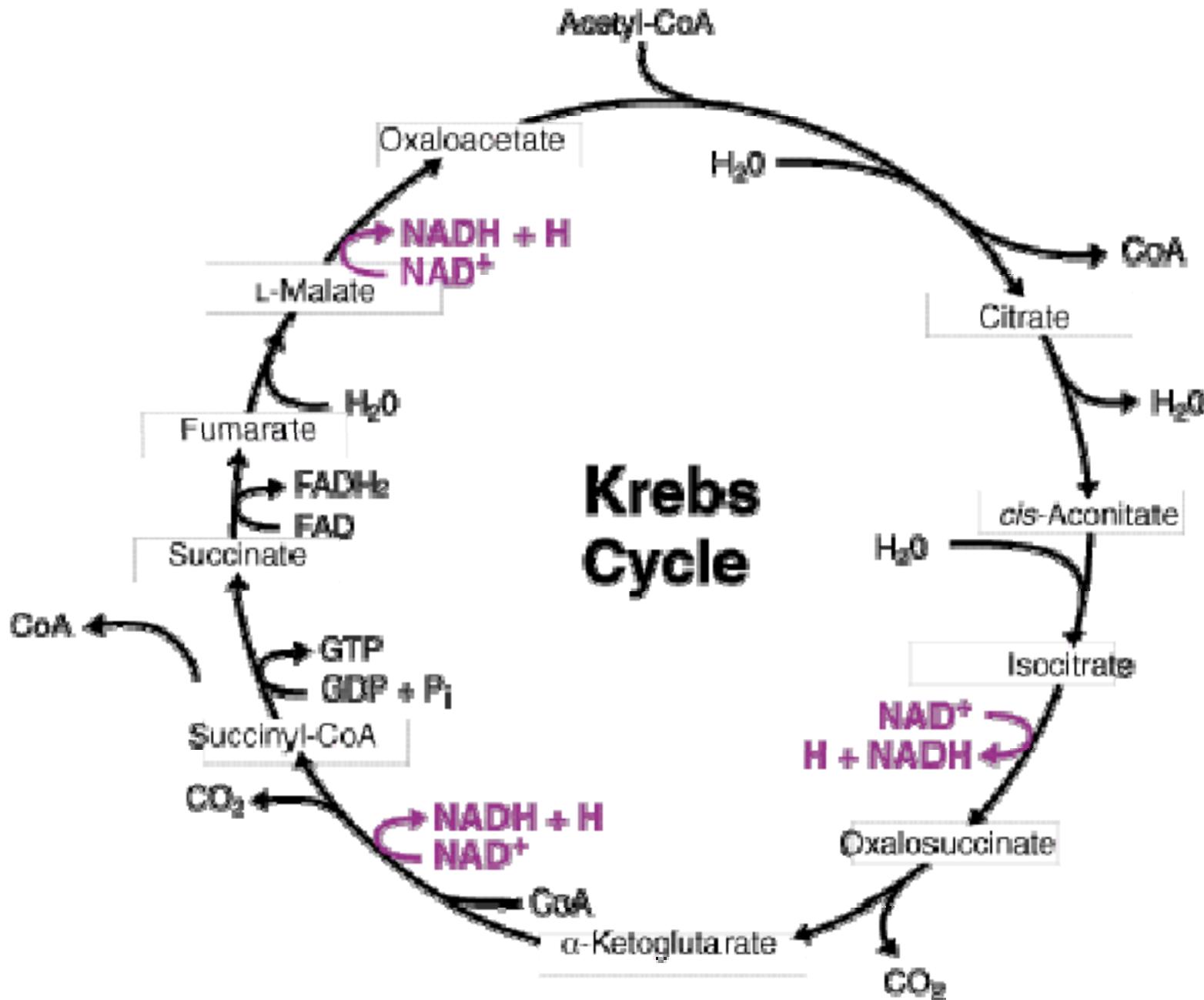
Protein Synthesis

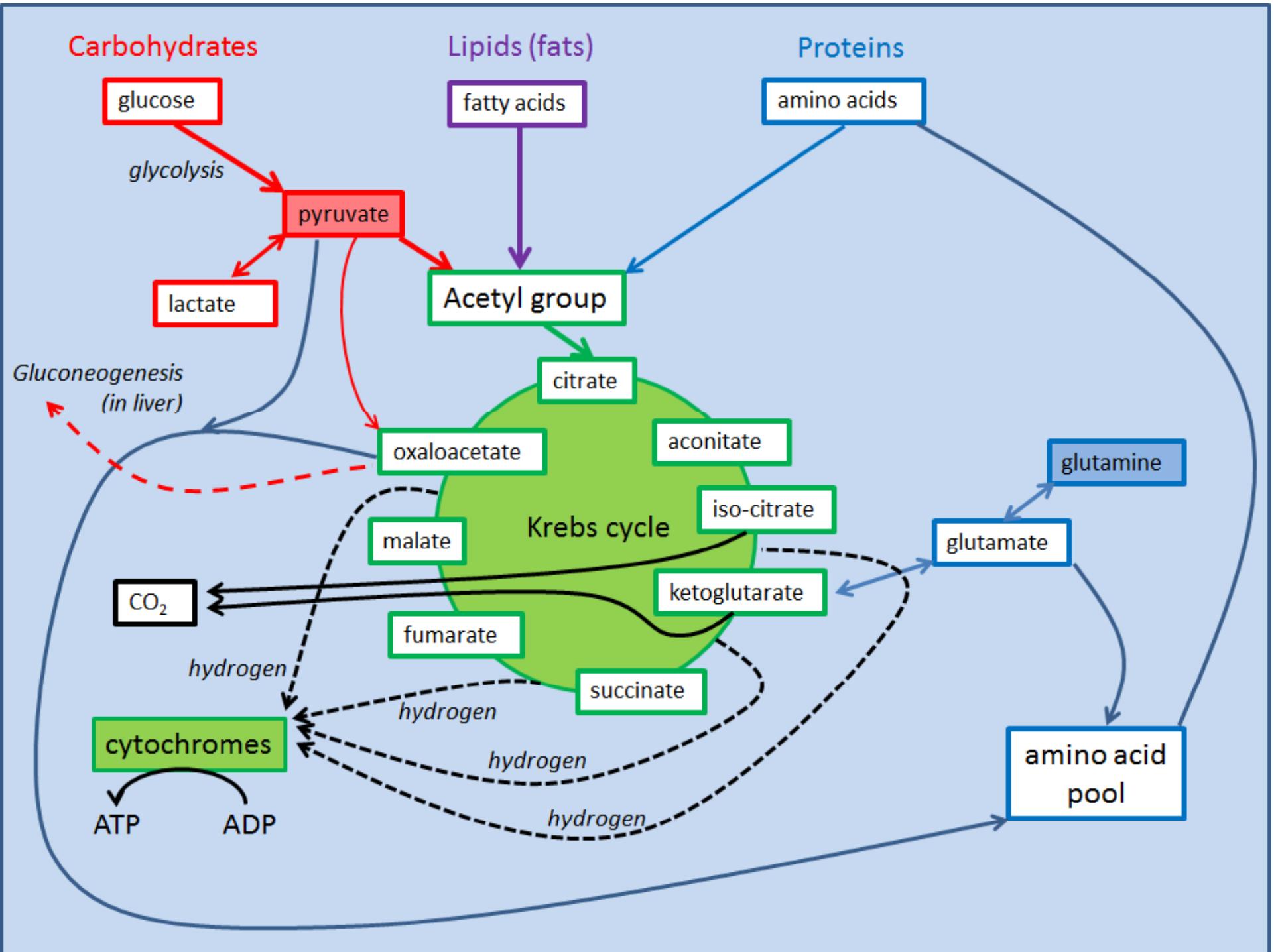


Krebs Cycle



Krebs Cycle





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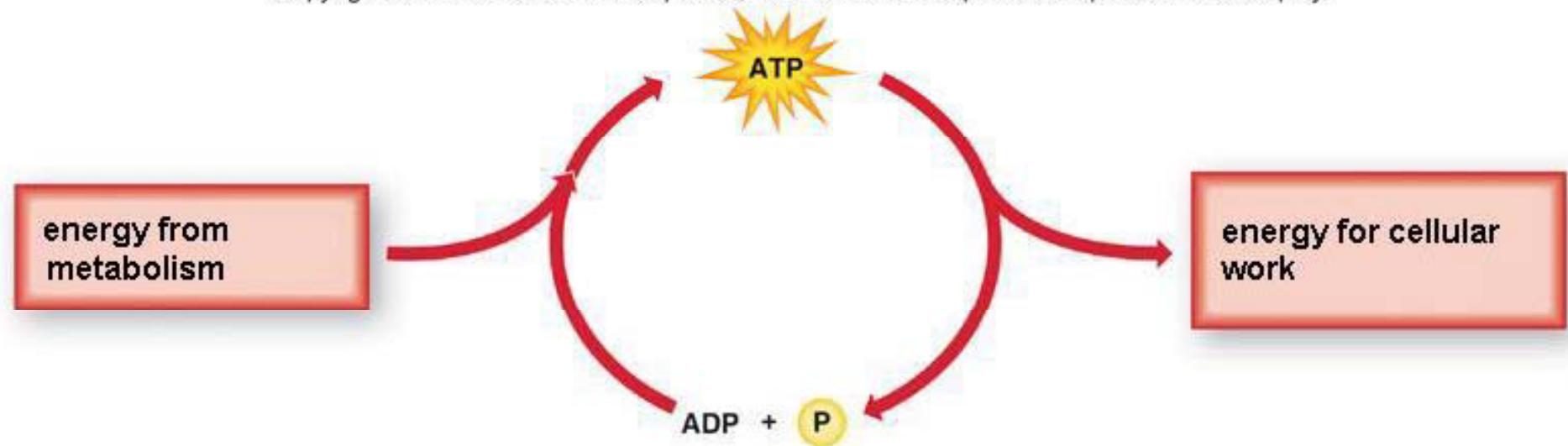
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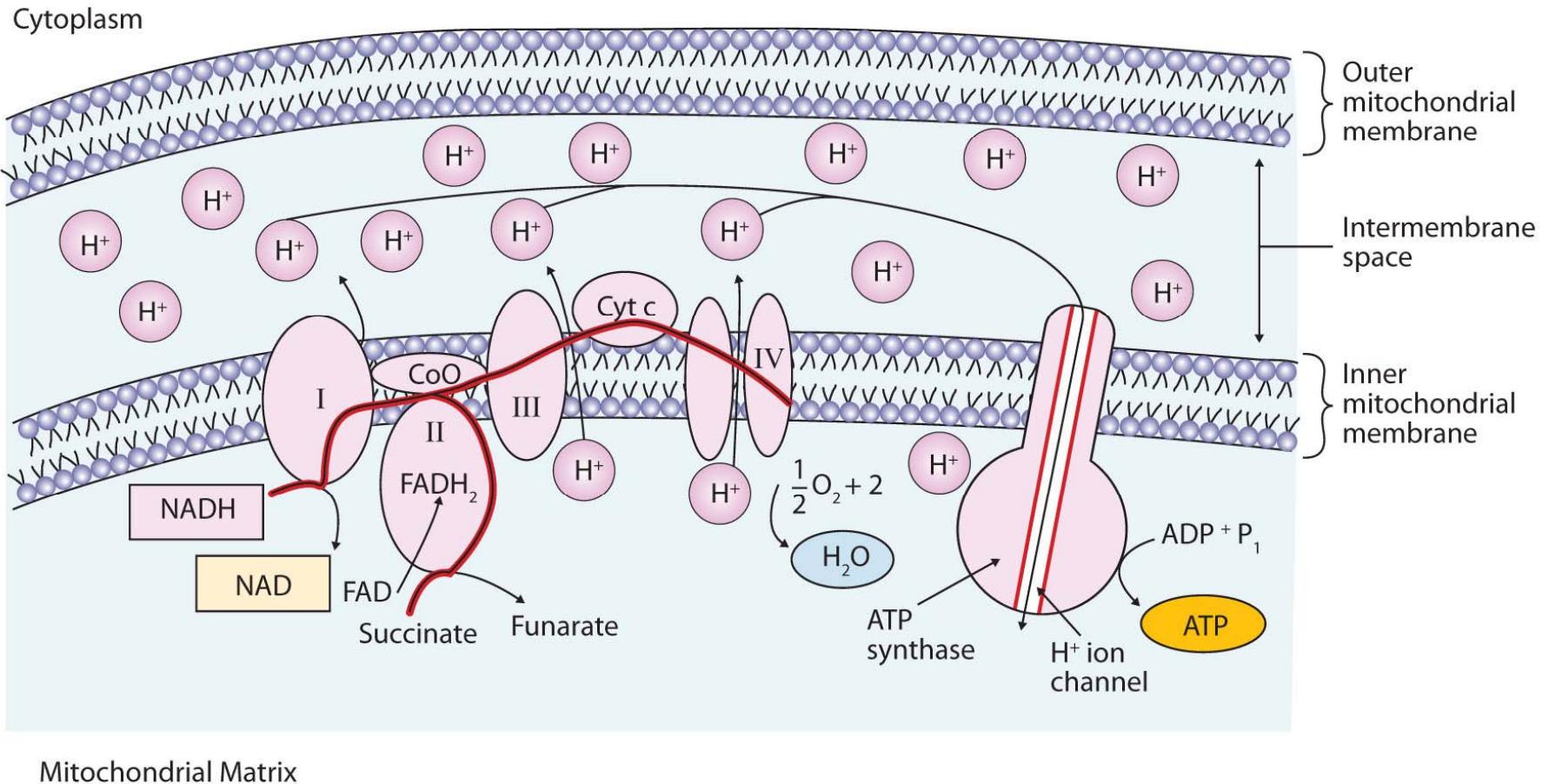
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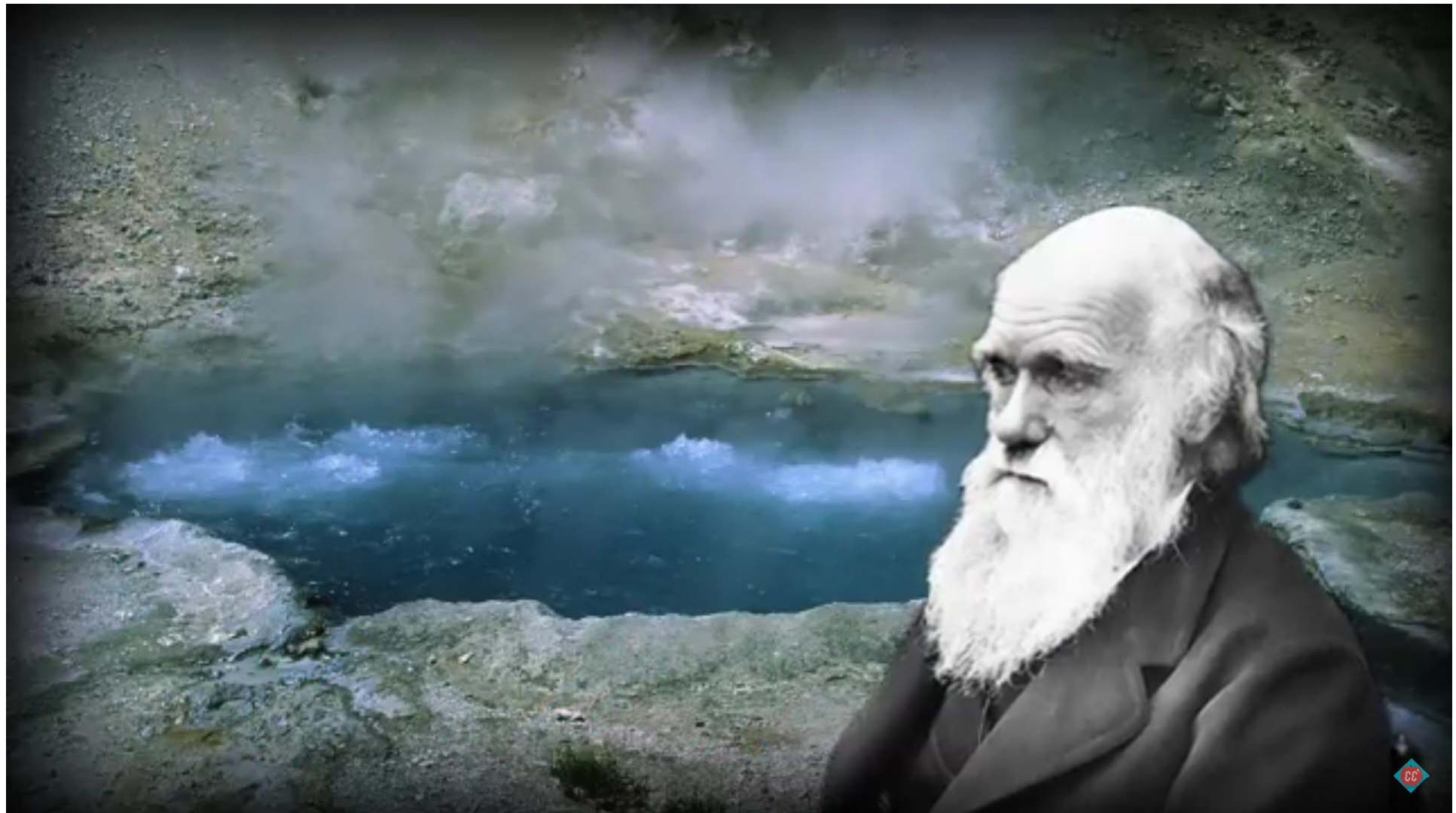




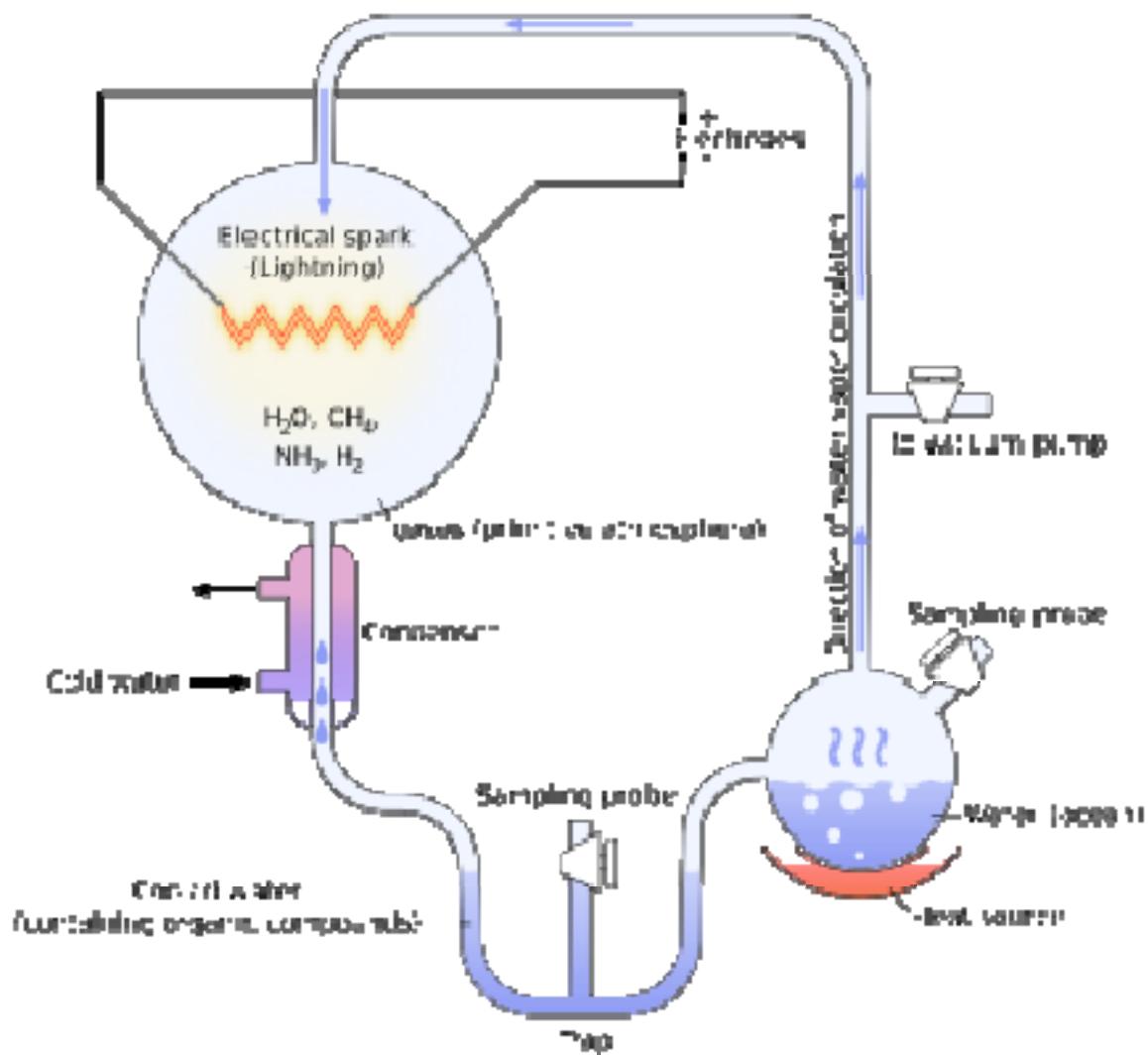
Last Universal Common Ancestor (LUCA)

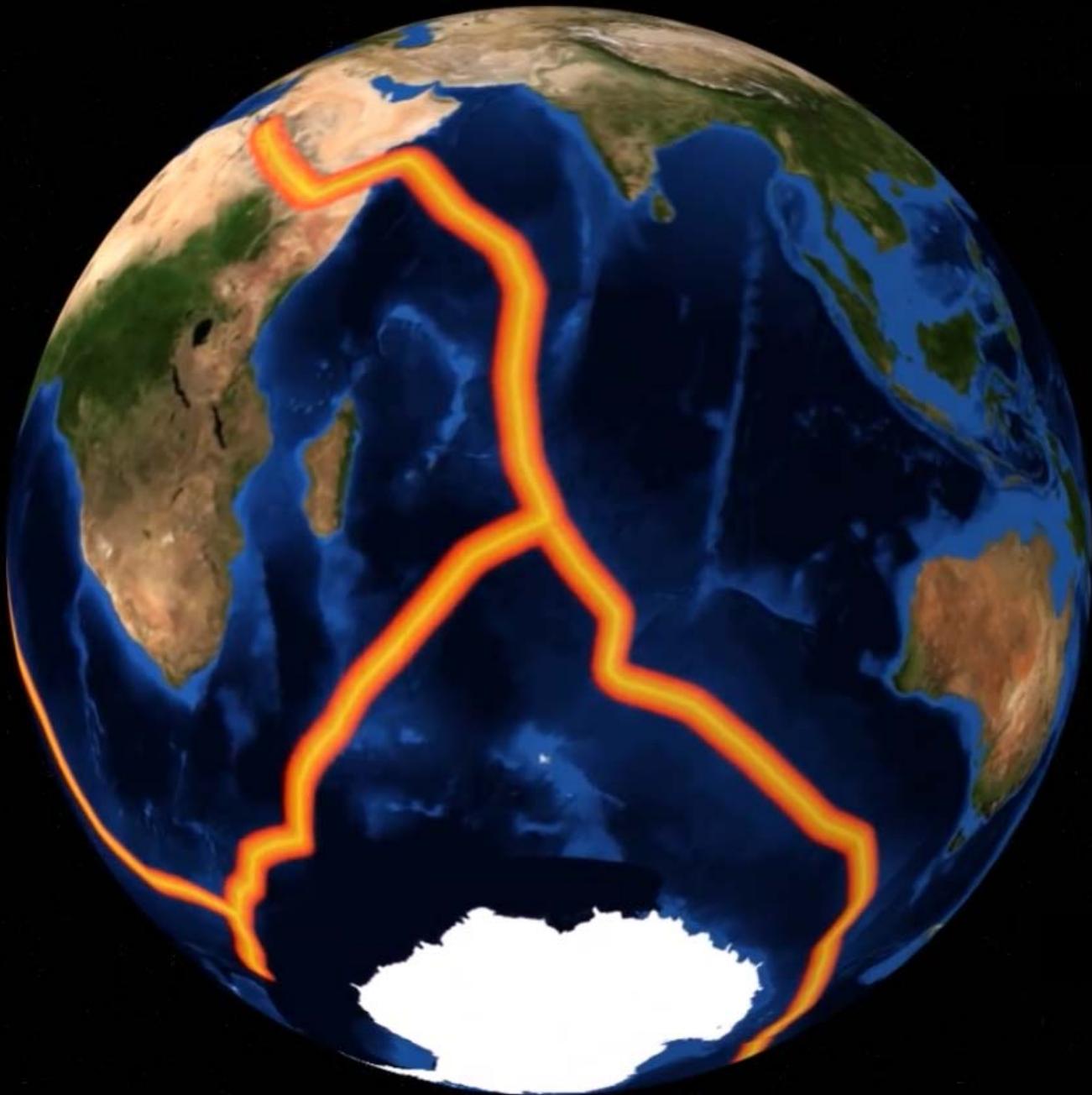
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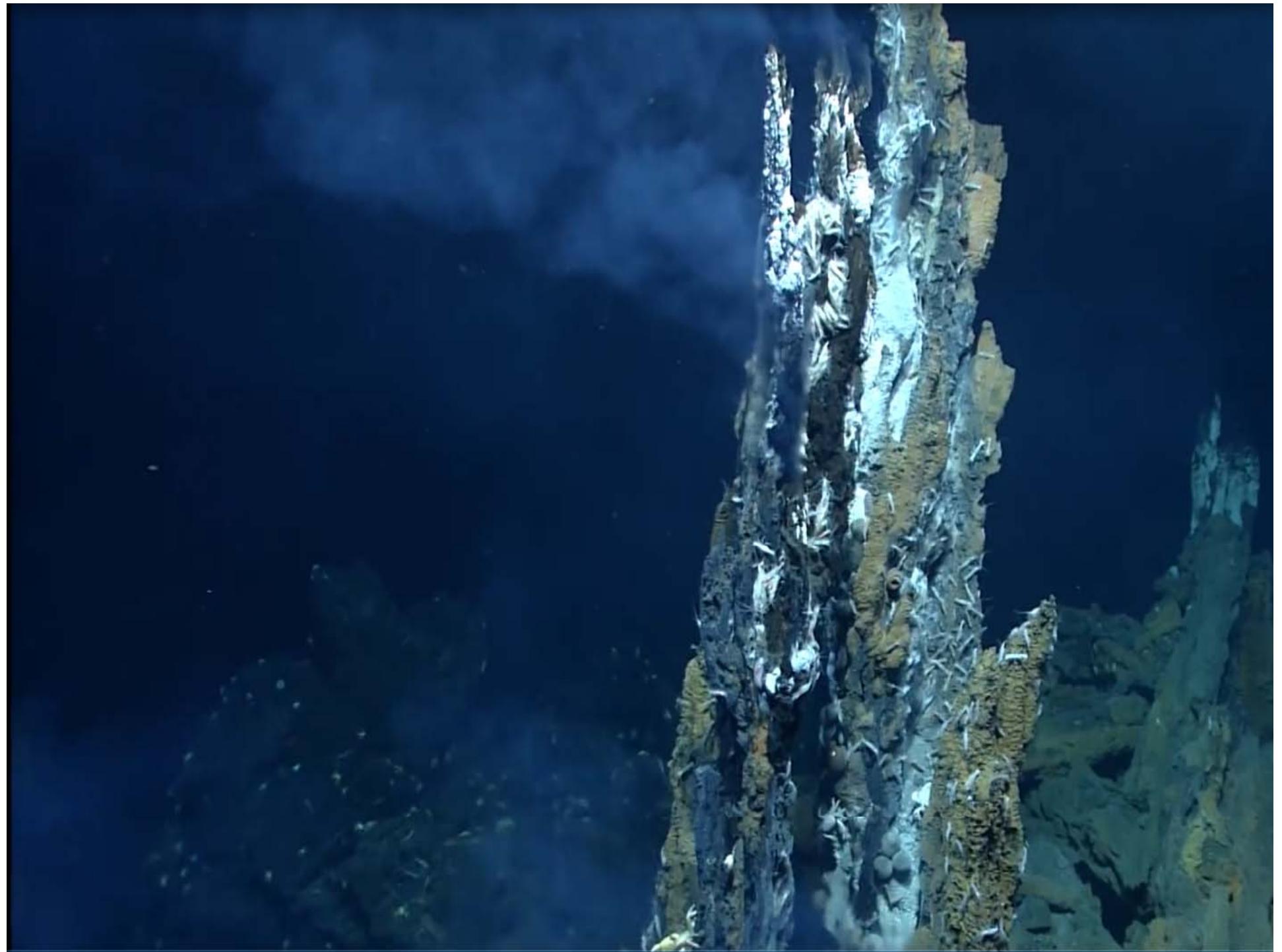
Miller–Urey experiment

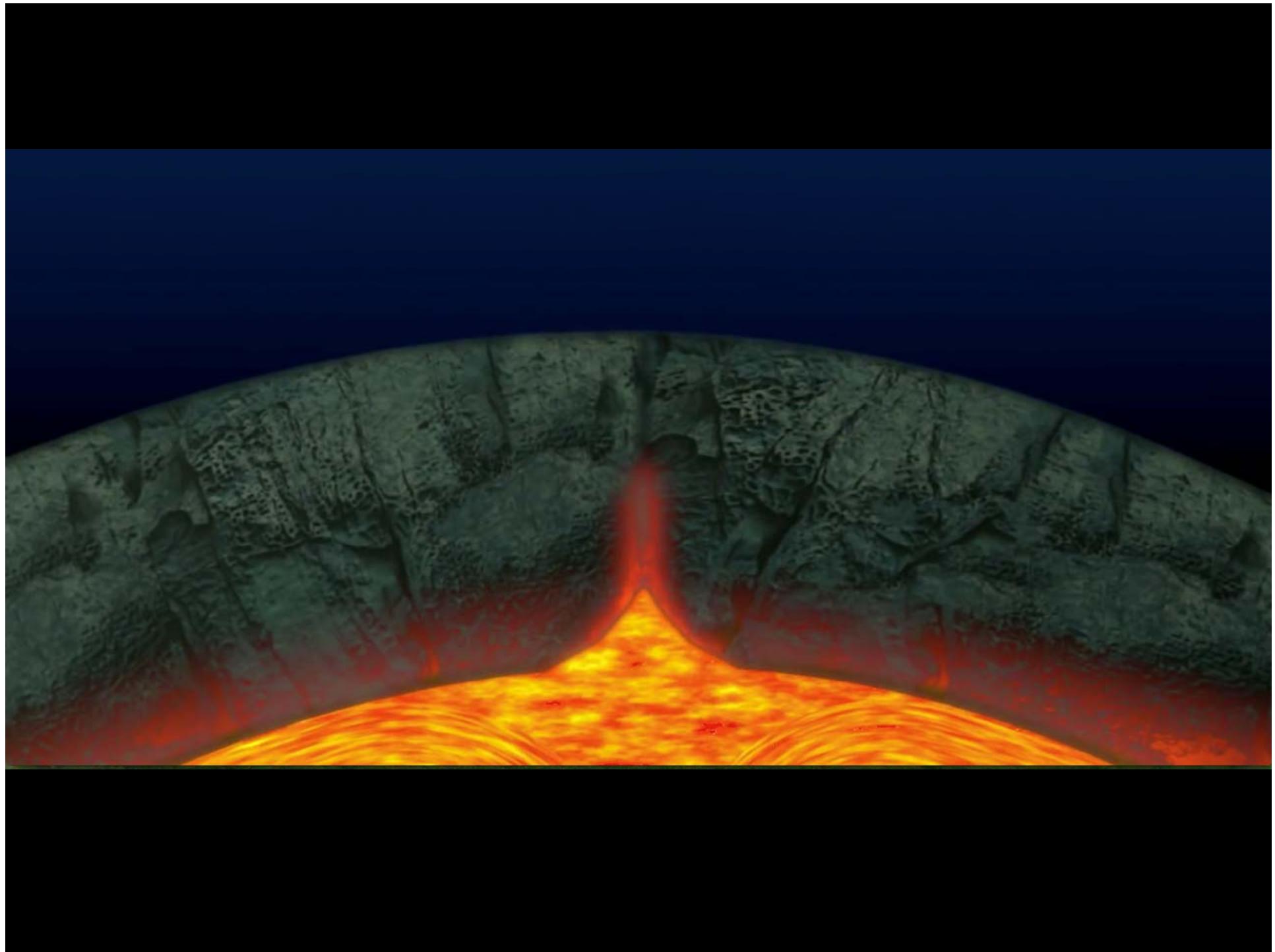


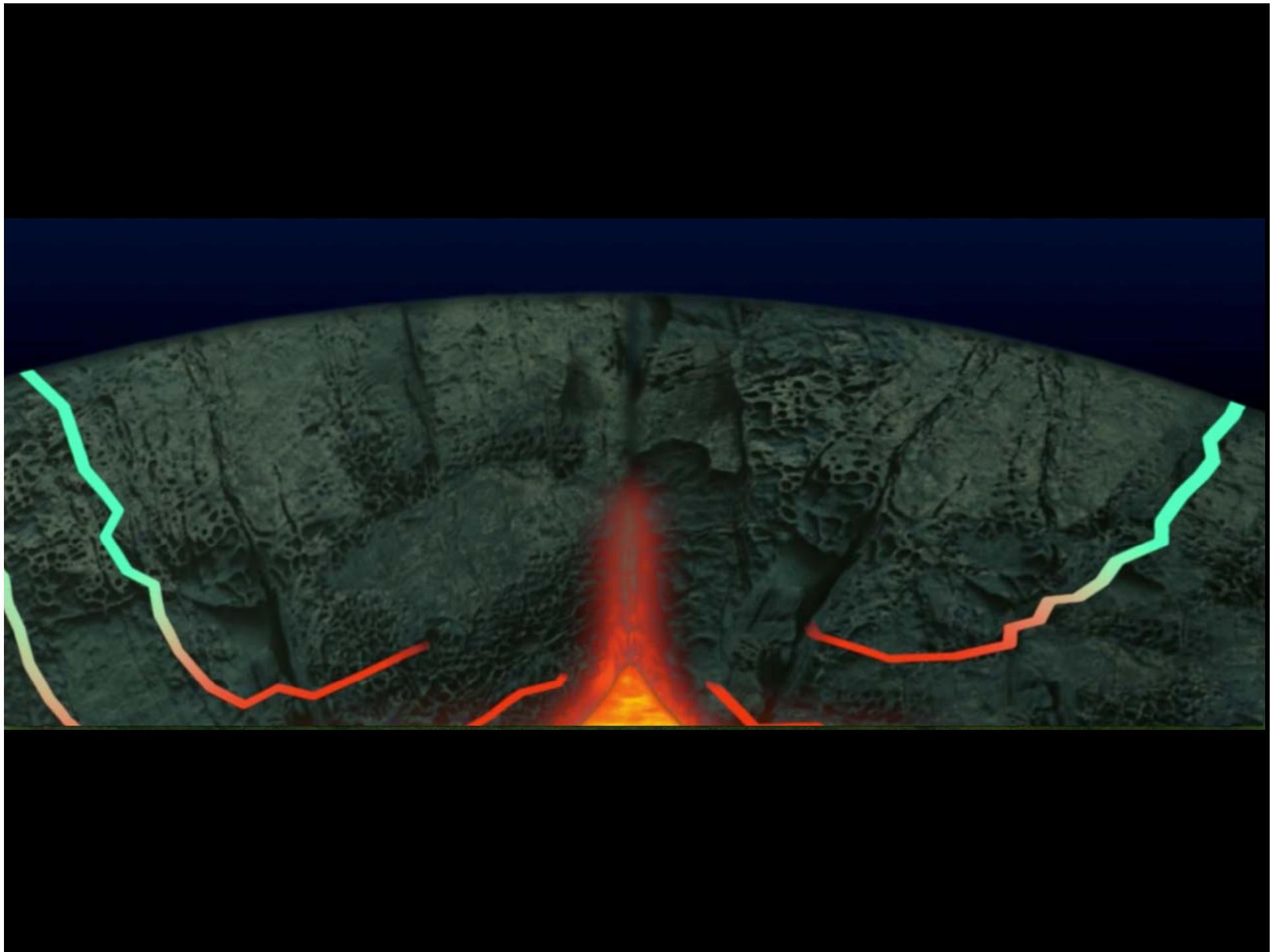


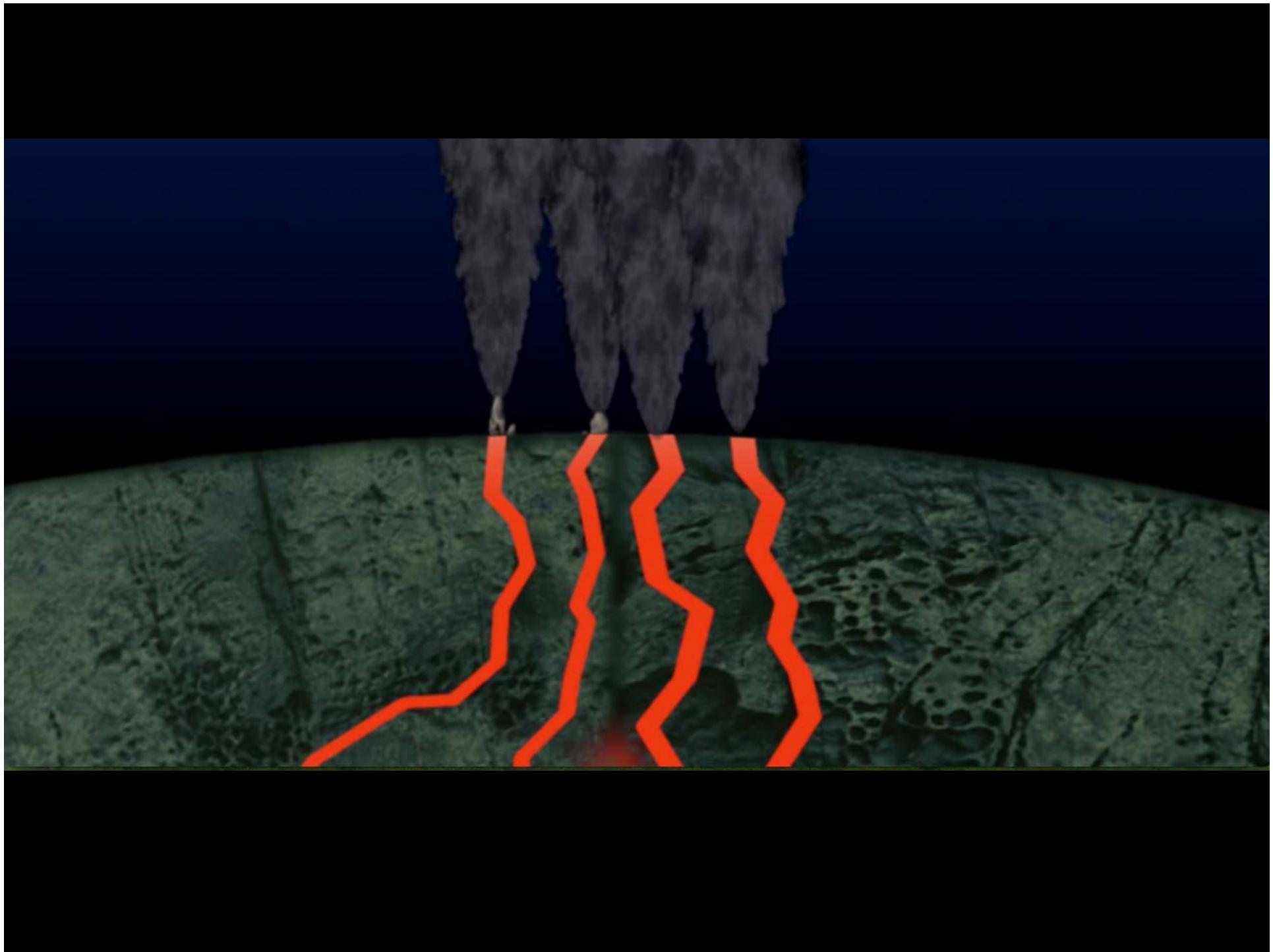


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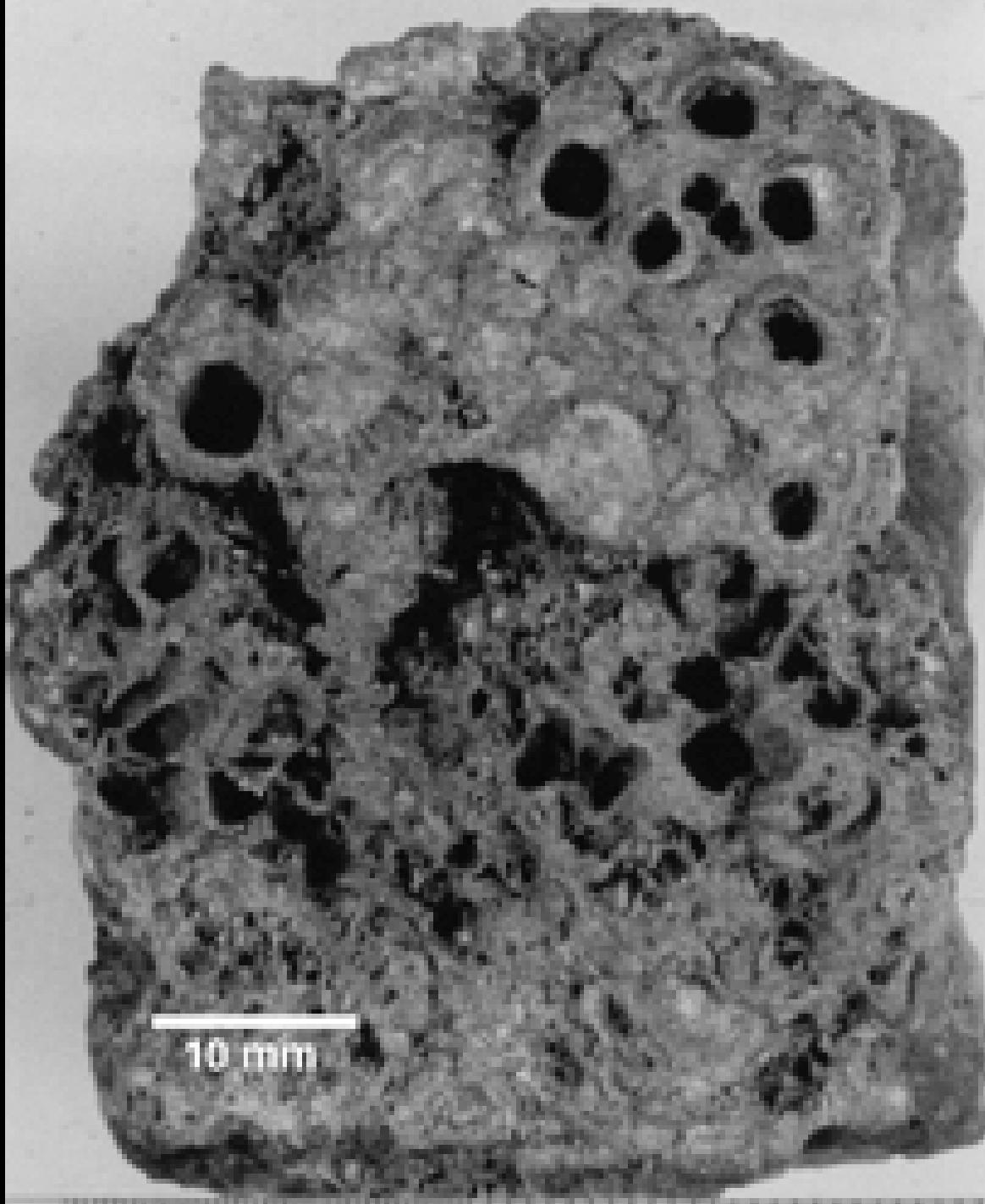


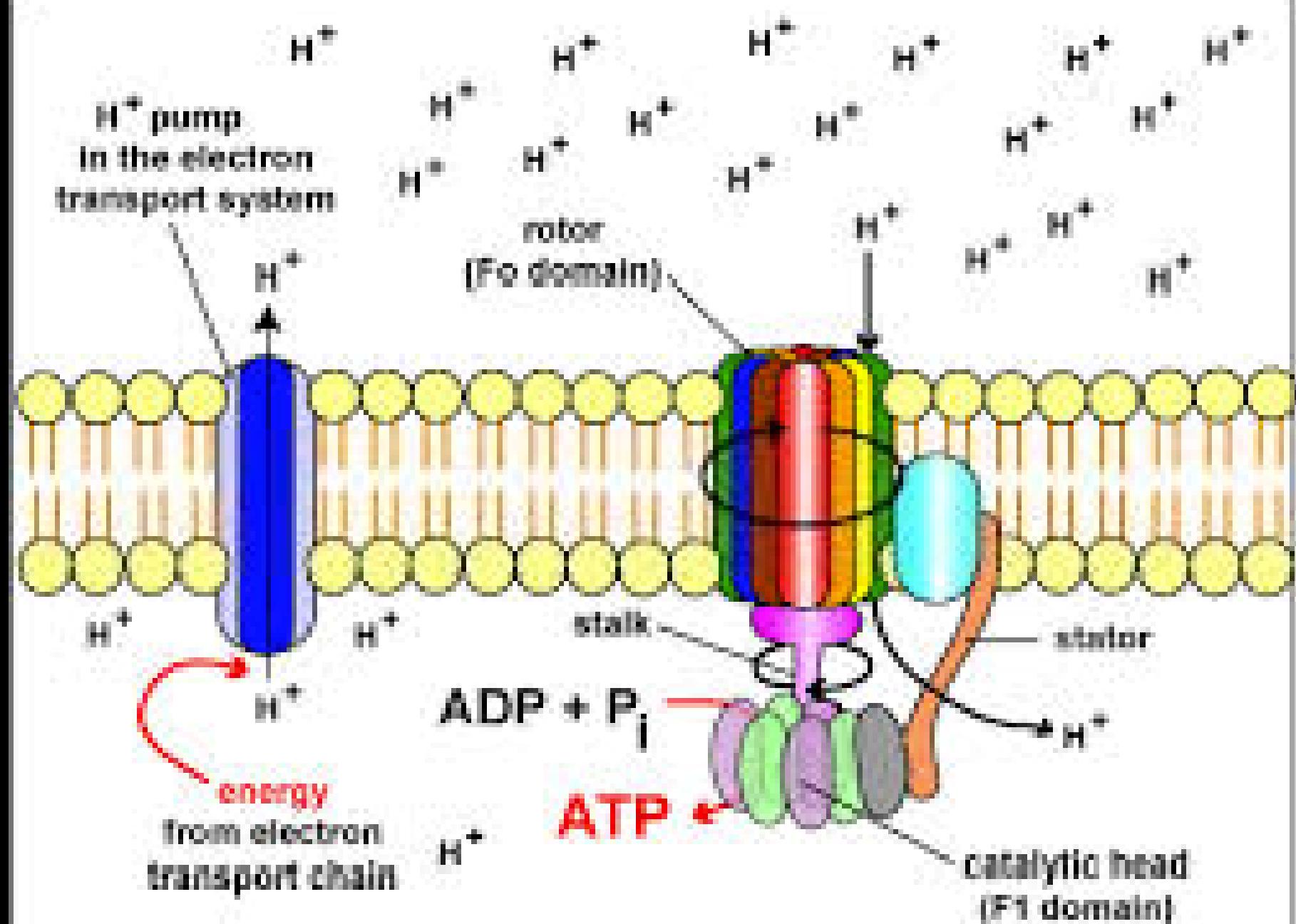


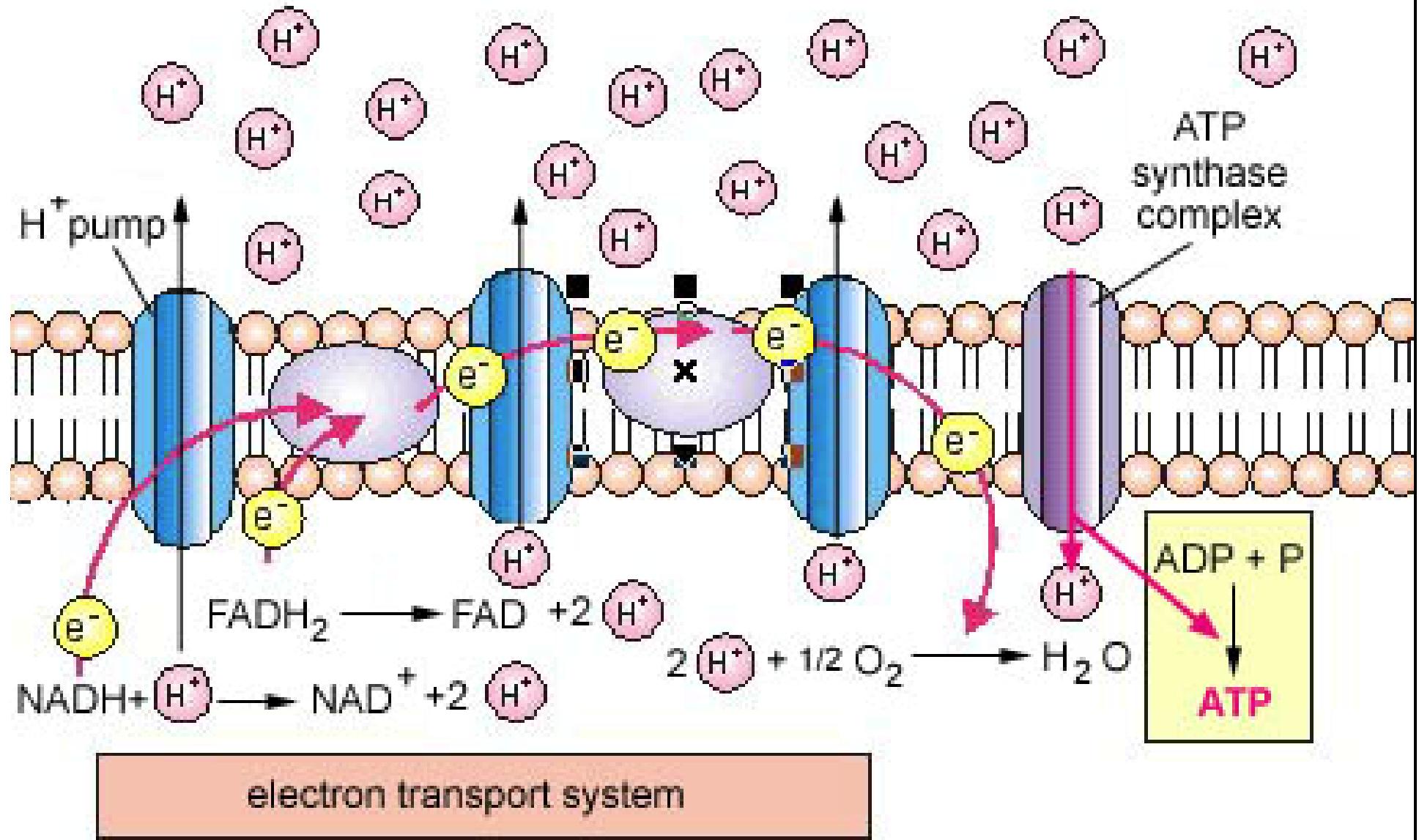






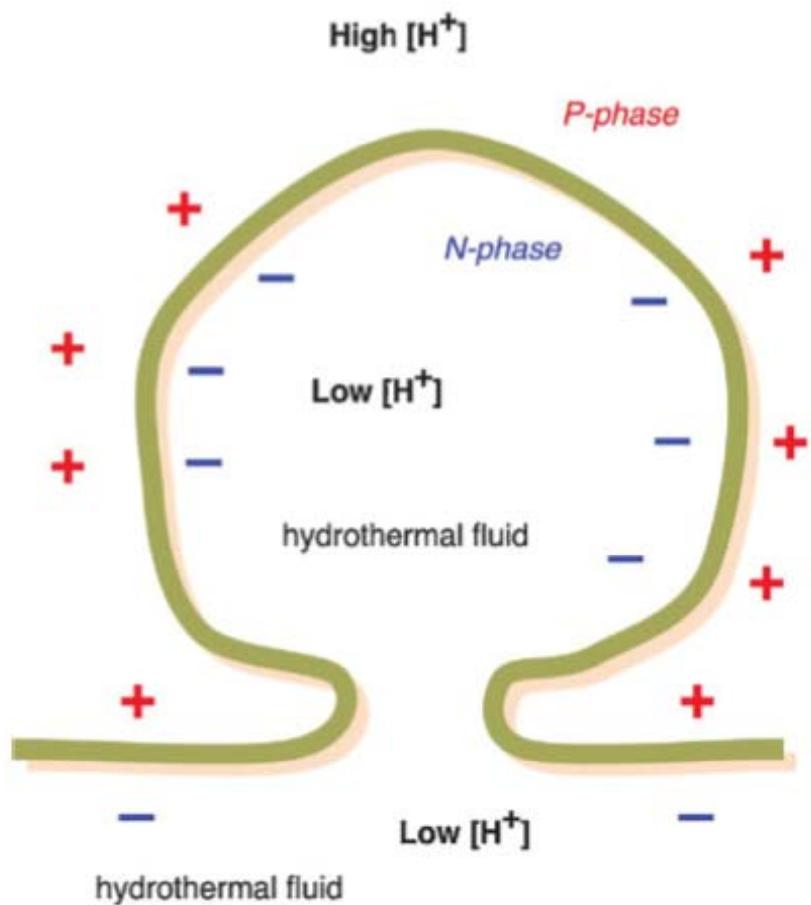






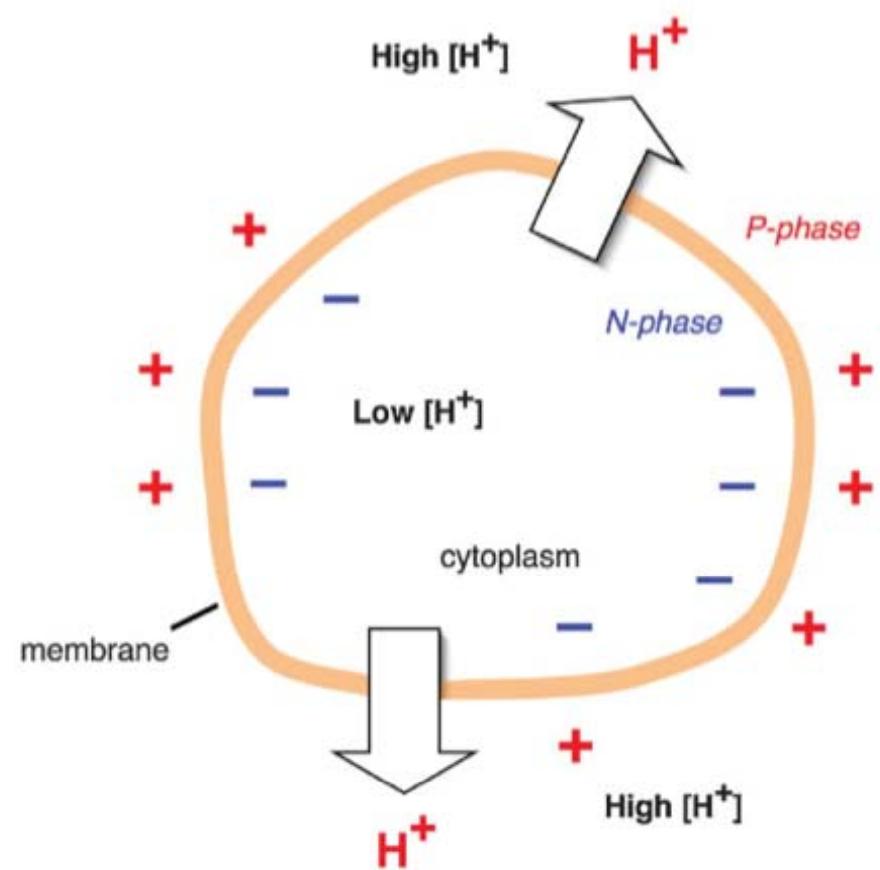
A

Inorganic vesicle



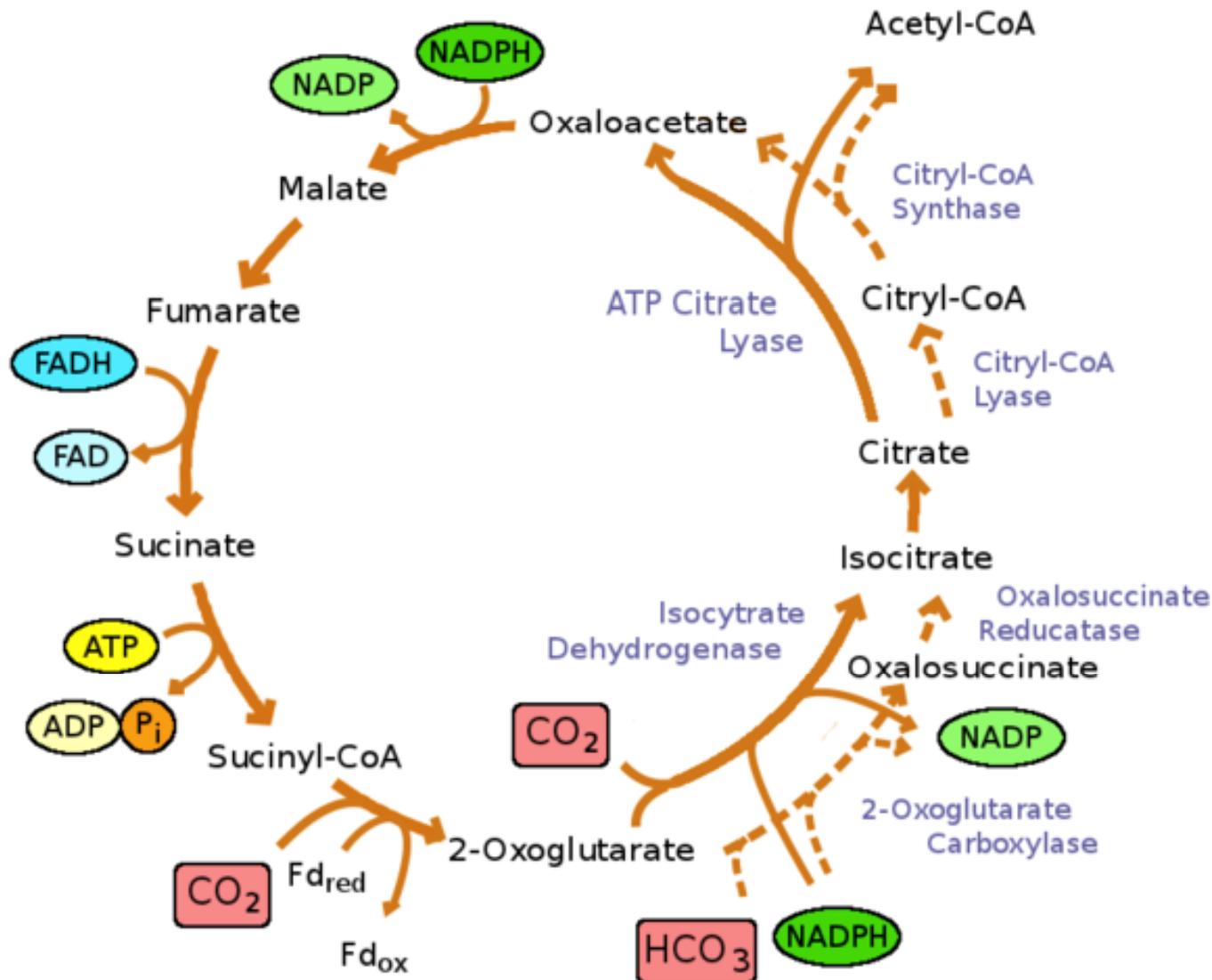
B

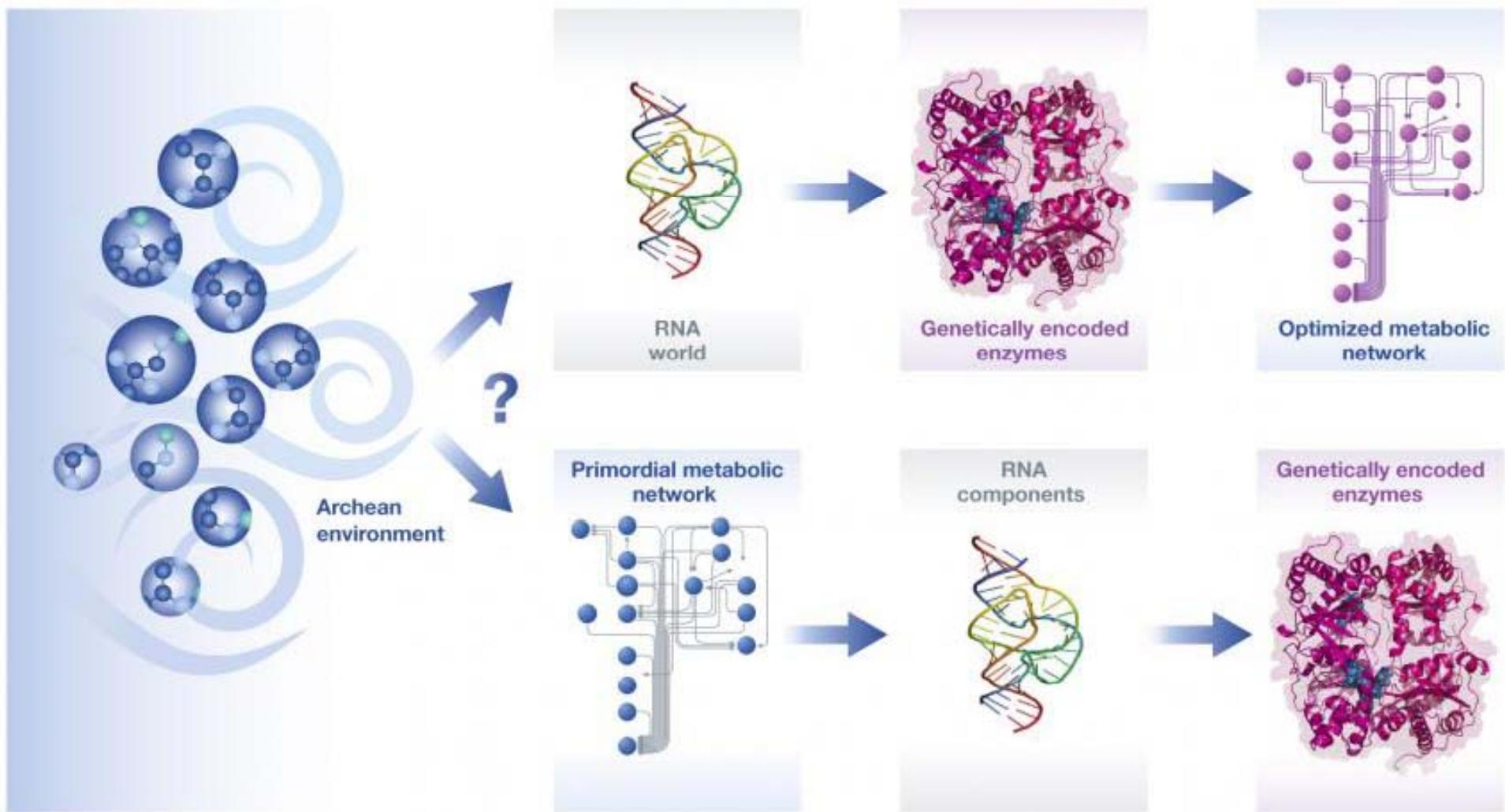
Cell

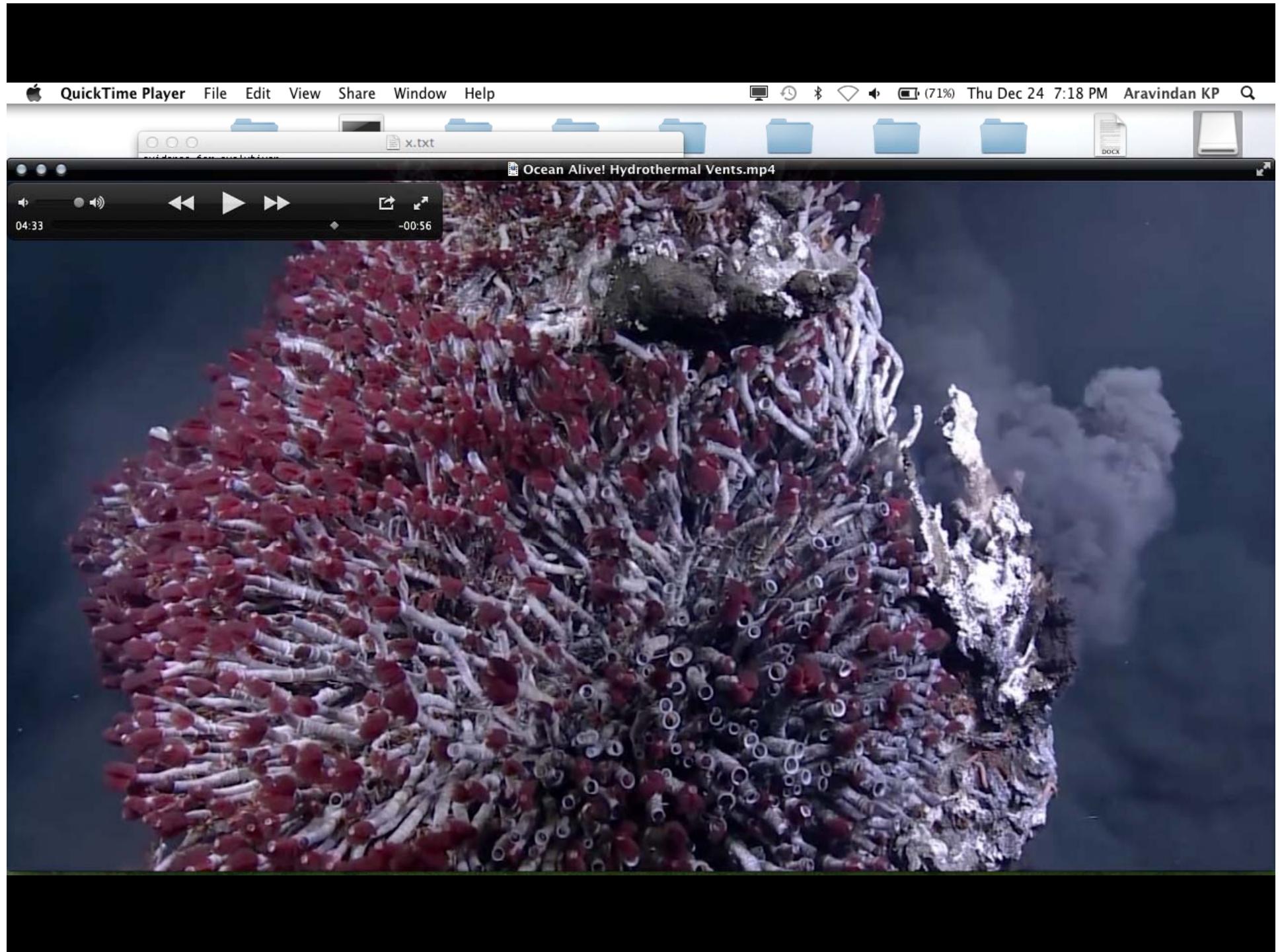


Free lunch for which you are paid

Reverse Krebs cycle

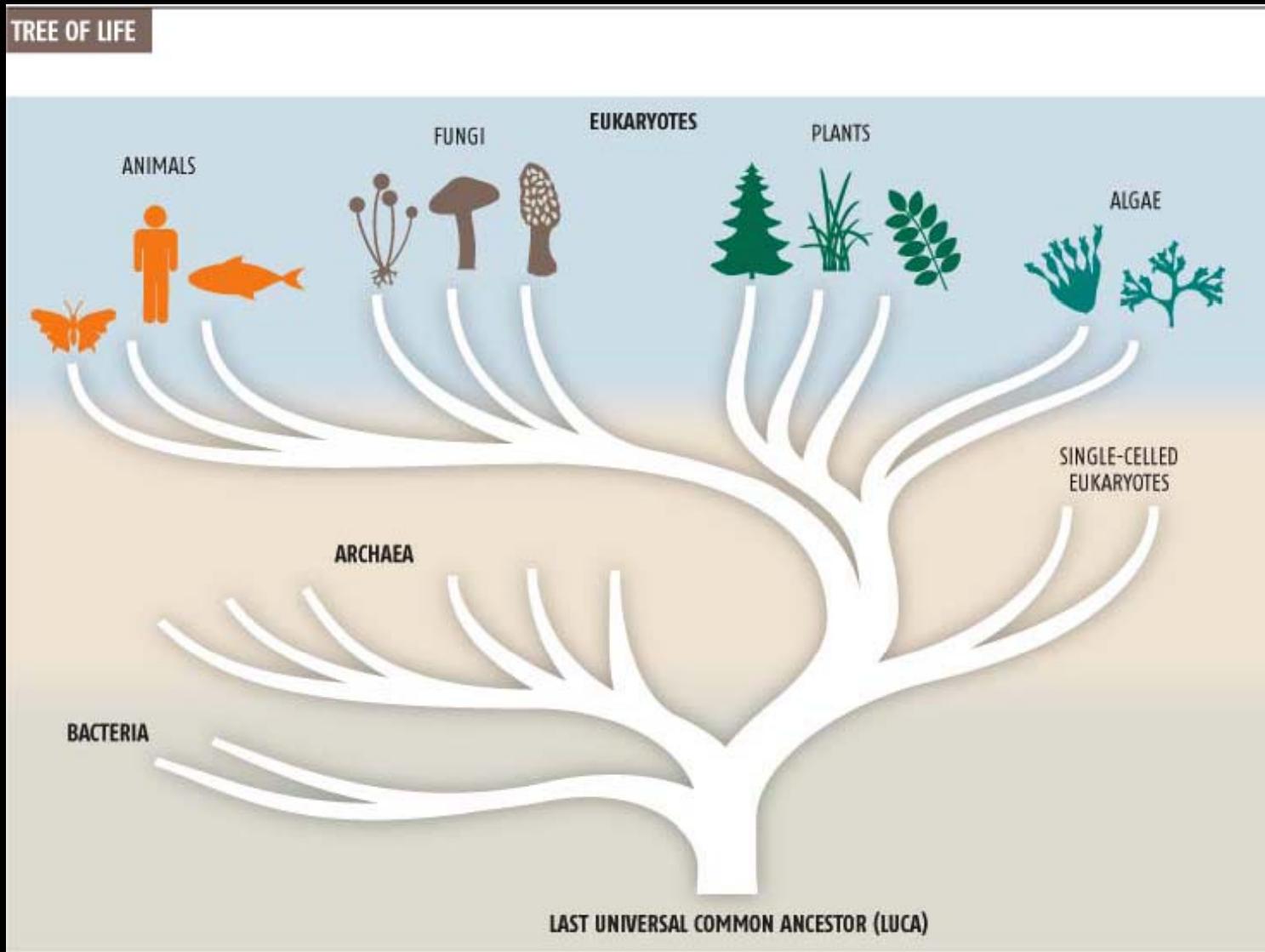








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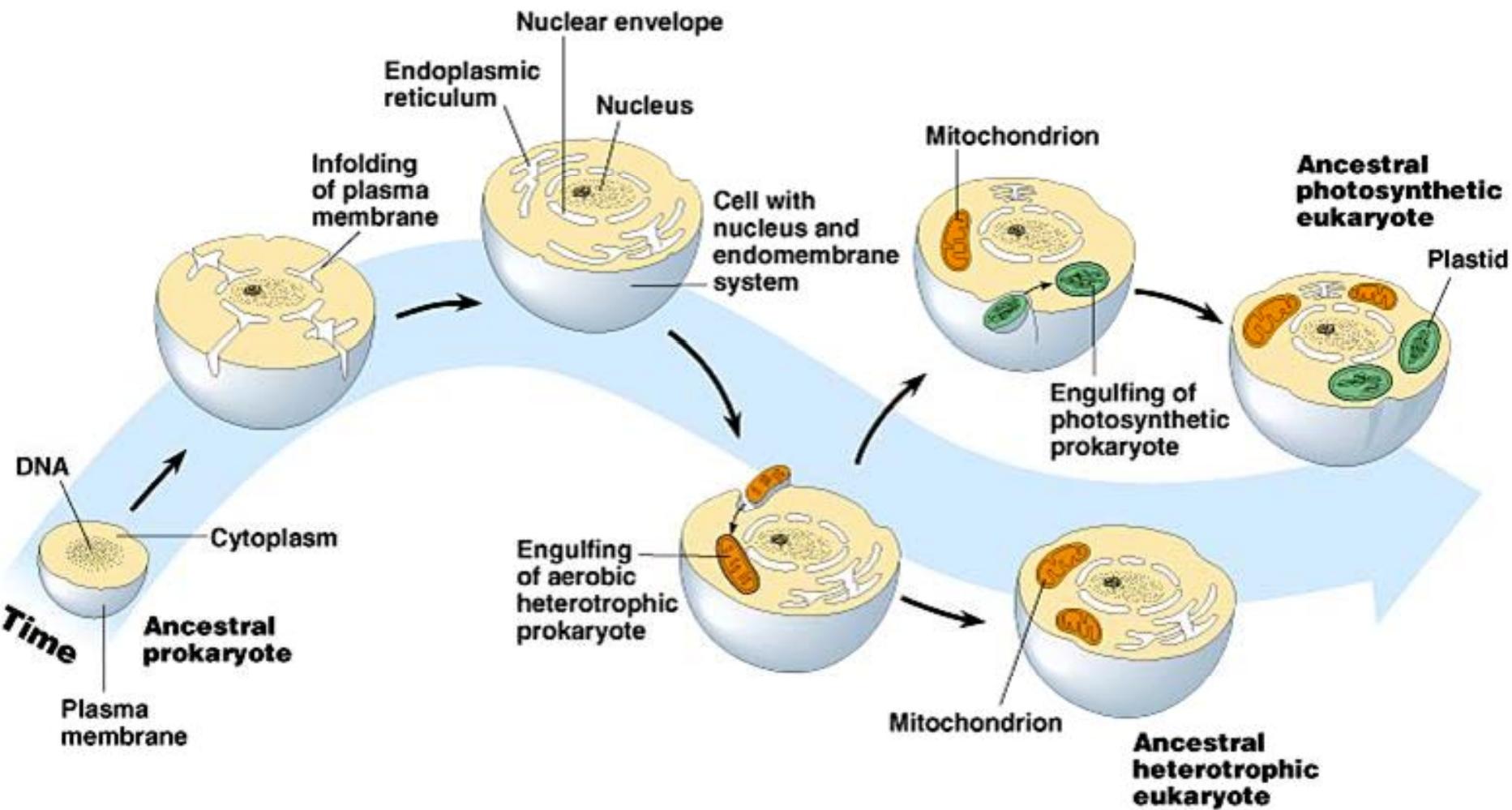




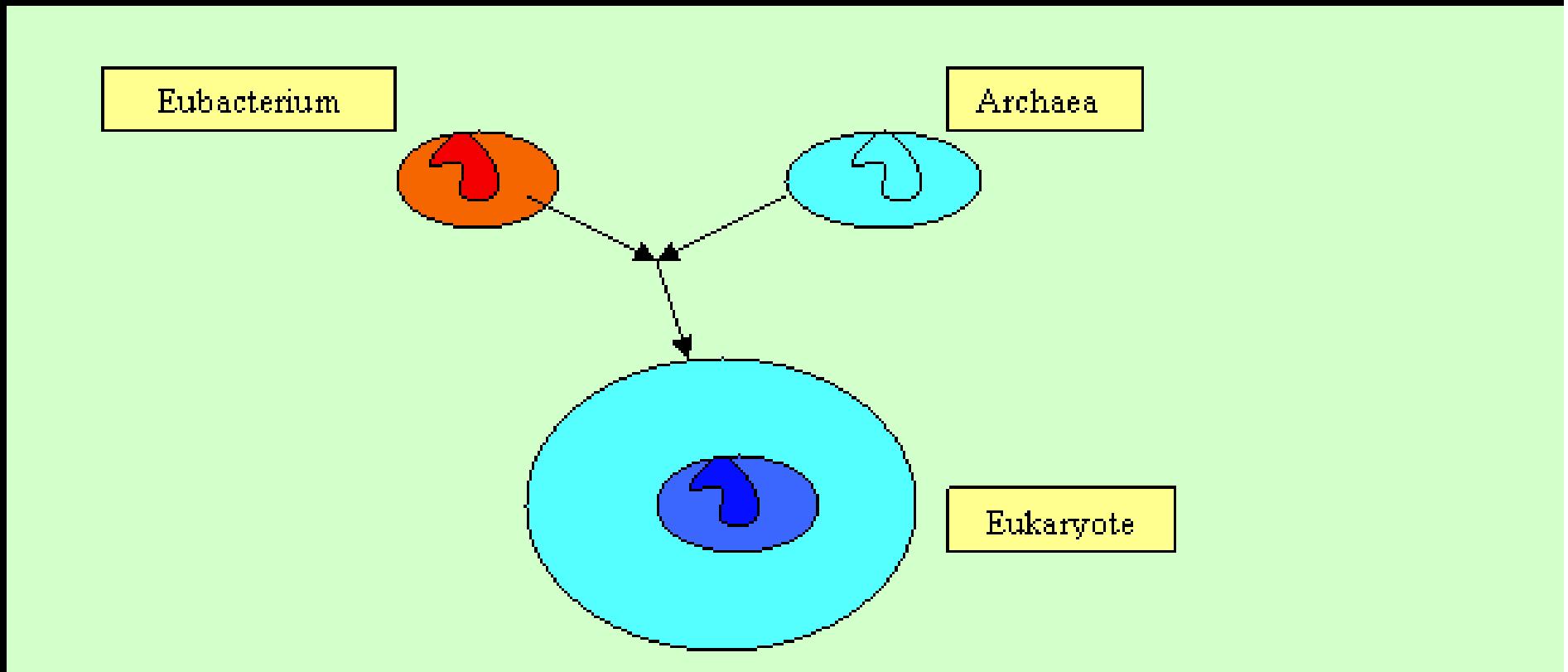
Konstantin Mereschkowski
1855 - 1921



Lynn Margulis
1938 - 2011



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LECA (Last Eukaryotic Common Ancestor)

