

4

side | History of evolution of life viewed from DNA and fossils

Comparing DNA sequences between species tells changes in DNA accumulated after the two species were divided. These changes estimate the age when these species arose. This method calculates the age older than when they really appeared, because it shows the time when they were first divided. Fossils tell us the shape and the living age of ancient lives. Combination DNA and fossils estimates the age of old life more accurate.

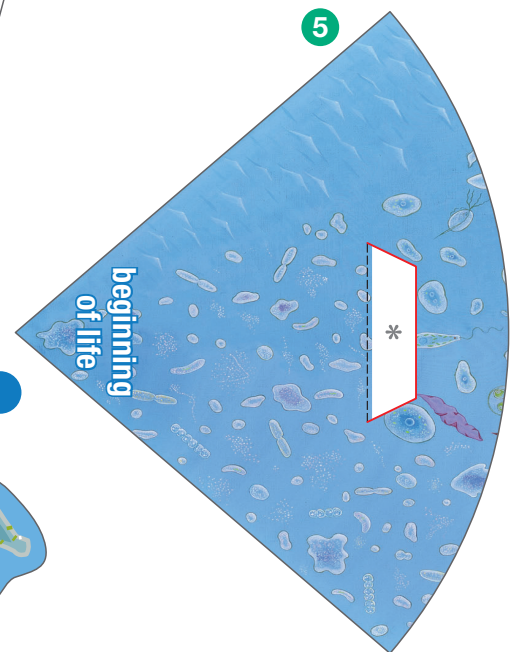
references : *Bioinformatics* vol.22 2971-2972(2006)
TIMETREE <http://www.timetree.org>

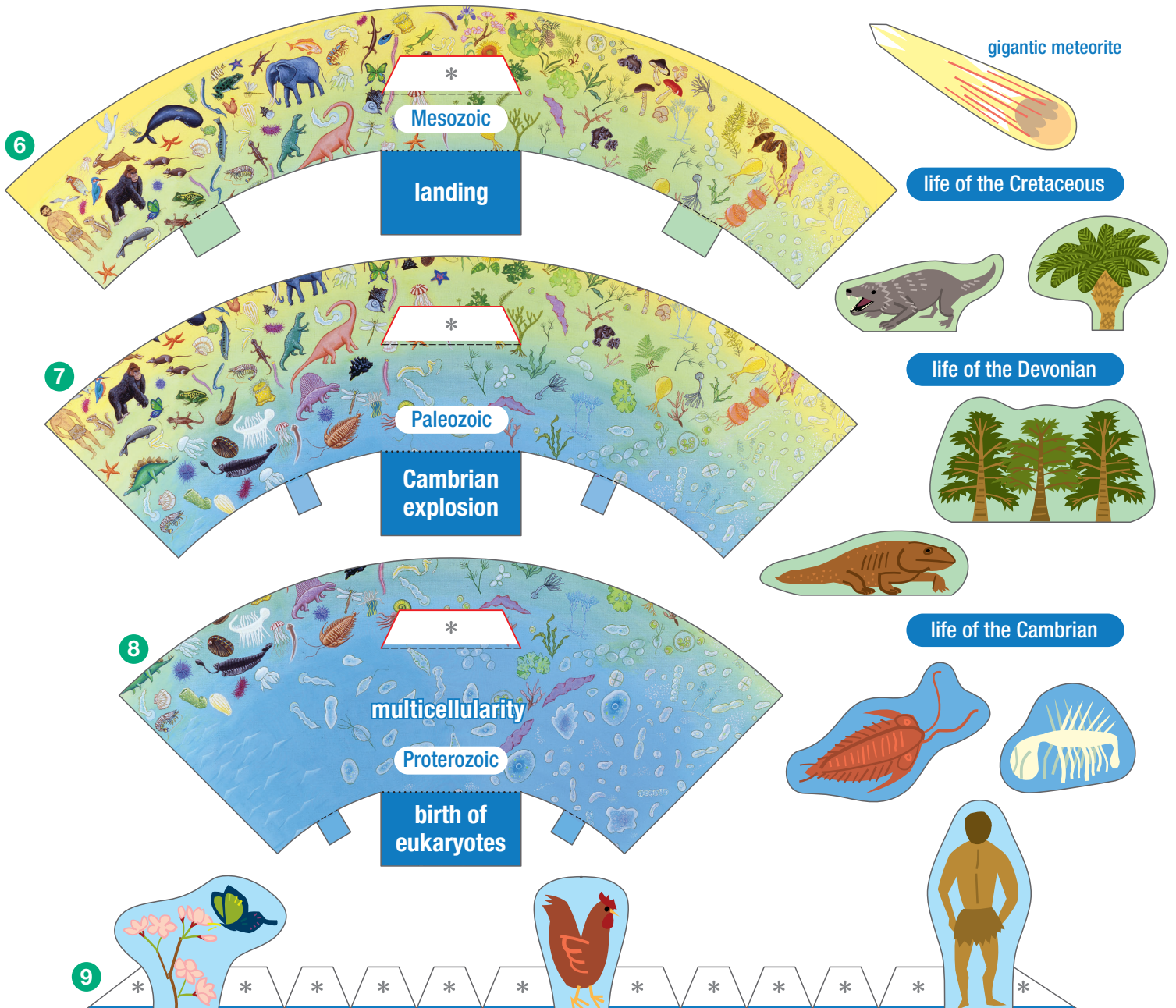
back | Genome size and body size

Genomes contain many genes, however, genome size does not depend on the number of genes but the size of regions without genes. The relationships between the organisms and their genome size remain an open question. The animals which have the largest genomes are lungfishes, familiar at the BRH, and the organisms which have largest bodies are surprisingly fungi. The fungus covering the Oregon Mountain was found an individual organism by its DNA analysis.

references : http://en.wikipedia.org/wiki/Largest_organisms

eukaryotes





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