

# Marine Taxonomy



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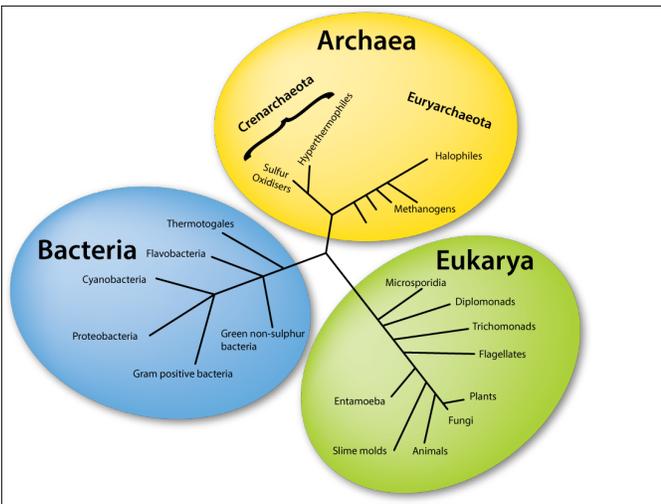
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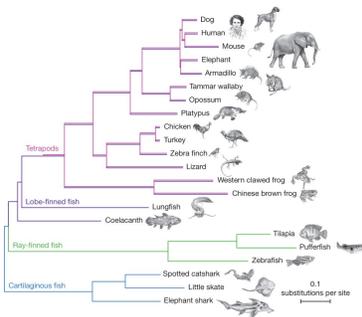
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Carolus Linnaeus

Father of classification

Classification of organisms is based on shared characteristics that they all have.



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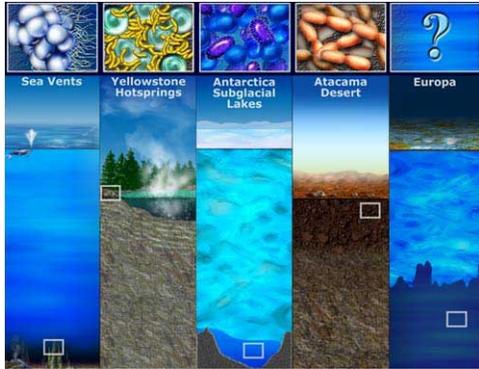
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The Eukarya

- a. Eukarya have eukaryotic cells with organelles and a true nucleus.
- b. complex
- c. larger in size
- d. A eukaryote is any organism whose cells contain a nucleus and other organelles enclosed within membranes. Eukaryotes belong to the taxon Eukarya or Eukaryota.




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**Bacteria**

Bacteria vary from species to species, thus assigning many common traits to bacteria is difficult. Bacterial species are typified by their diversity. There are three notable common traits of bacteria, 1) lack of membrane-bound organelles, 2) unicellular and 3) small (usually microscopic) size. Not all prokaryotes are bacteria, some are archaea, which although they share common physical features to bacteria, are ancestrally different from bacteria.



Old odd crash course  
[www.youtube.com/watch?v=vhmdNh2KTCU](http://www.youtube.com/watch?v=vhmdNh2KTCU)

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