

*Domains of Life; Prokaryotic vs. Eukaryotic Cells: In my notes from the first day of class, I have something written about eubacteria. Isn't this a contradiction in itself? Aren't all bacteria prokaryotic?*

Sounds like you got part of what I said written down but not all of it! I mentioned in class that when the Archae were first discovered, it was kind of assumed at first that they were some strange type of bacteria. So the "regular" bacteria were called eubacteria (where the prefix eu- means "true") and these "new" prokaryotes were called Archaeobacteria. It was soon realized that to include the word bacteria in the name of the Archae was misleading, so we dropped that part of the name and now just call them Archae. The true bacteria are now just called the Bacteria, but occasionally they will be referred to as Eubacteria.

*Unique solution ID: #1008*

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*Last update: 2007-01-09 21:07*