

Unit 2 - The Diversity of Life

Homework/Activities

- **Engage: It's Alive! (or is it?)** Due: _____
Process and Procedures: #1-2
Analysis: #1-2
- **Explore: Look! A whatchamacallit!** Due: _____
Process and Procedures: #1-2
Analysis: #1-5
- **Explain: A Guide Through the Wilderness** Due: _____
Process and Procedures: per teacher instructions
Analysis: per teacher instructions
- **Elaborate: A Leaf Off the Ol' Phylogenetic Tree** Due: _____
Process and Procedures: #1-4
Analysis: #1-5
- **Evaluate: Who's on First?** Due: _____
Process and Procedures: per teacher instructions
Analysis: per teacher instructions

Concepts/Topics

- Definition of "life"; artificial or man-made; viruses, prions; xenobiology
- Classification/taxonomy; Aristotle, Linnaeus (7 levels of classification)
- Binomial nomenclature
- Speciation - mechanisms, definition
- Taxonomic levels; Super/sub; Phylum/division, subspecies/variety
- Six kingdoms (or more?), Domains/superkingdoms
New: Archaea, Chromista; Old: monerans, protozoans
- Keying out organisms: field guides, web sites, dichotomous keys
- Animal definition; body symmetry
- Major animal phyla

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