Marine Science Test 5 Study Guide

1. What is binomial nomenclature?
2. Who invented binomial nomenclature?
3. What are the two parts of a scientific name?
4. **Know the taxonomic hierarchy in order**.
5. Know the rules for writing scientific names.
6. What properties are used to place organisms in the proper taxonomic categories? What does this tell you about how those organisms are related?
7. Know the physical characteristics of the three domains and the six kingdoms.
8. Know what types of organisms are found in each of the kingdoms.
9. What are the differences between prokaryotic and eukaryotic organisms?
10. Know the difference between autotrophs and heterotrophs.
11. Understand how to use a word key (dichotomous key) to find species names.

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