

Chapter 15

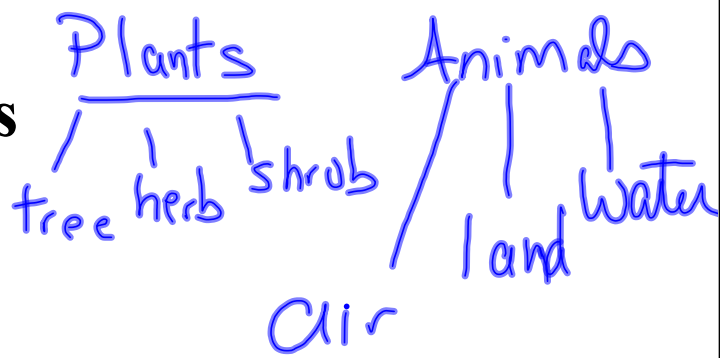
Section 1

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10-30 **Millions**
Organisms on Earth

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Aristotle
group things
by their
structural
similarities.



Greeks and Romans
group animals into
basic categories: oaks,
dogs, horses

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Taxonomy- science of
naming and classifying
organisms.

7 taxa

Kingdom
Phylum
Class
Order
Family
Genus
Species

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1700's biologists started using descriptive names sometimes with 12 or more Latin words



Example:

Apis pubescens, thorace
subgriseo, abdominae fusco
pedibus posticis glabis,
untrinque margine ciliatus

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1750's Linnaeus

Bionomial nomenclature

Two names.

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Scientific names are written in Latin

Why?

- dead language
- universal language for science

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Naming Rules

1. First word capitalized
2. Second word lower case
3. Underline or italicize the whole word

Homo sapiens

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