

**Chapter 15**  
**Section 1**

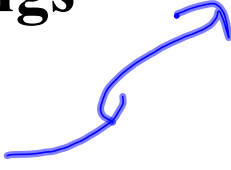
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10-30 **Millions**  
**Organisms on Earth**

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Aristotle  
group things  
by their  
structural  
similarities.

Air, Land, Water



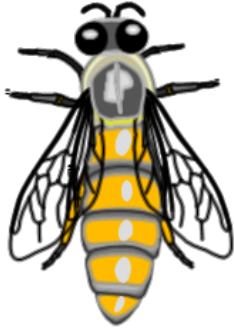
Greeks and Romans  
group animals into  
basic categories: oaks,  
dogs, horses

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**Taxonomy- science of**  
naming and classifying  
organisms.

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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 glabris, untrinque margine ciliatus*

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1750's Linnaeus

2 name  
Bionomial nomenclature

ex: Homo sapiens

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## Scientific names are written in Latin

Why?

- dead language
- works across other language

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## Naming Rules

1. 1<sup>st</sup> word capitalized
2. 2<sup>nd</sup> word lowercase
3. Underlined or italics

Homo sapiens

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