

I. A brief history

- A. ancient times
- B. Greek philosophers
- C. 1700s - Carolus Linnaeus
- D. Inventions/Popularized

II. How many Kingdoms of Life

- A. earliest groups (Aristotle)
- B. 1969: Whittaker
- C. 1990's: Woese

III. A modern classification

Who's in charge?

D:

K:

P:

C:

O:

F:

G:

S:

IV. What are the groups and what we'll discuss?

V. Dichotomous key - uses characteristics for identification

VI. Taxonomy

- A. phylogeny
- B. systematics

1. phenetics

2. cladistics

C. some characteristics that are used to figure out the pattern

1. anatomy, morphology

2. physiology

3. genetic information

4. epigenetics?

VII. What is evolution?

A. Darwin's major idea

1. Argument 1

2. Argument 2

3. Argument 3

4. Argument 4/conclusion

VIII. What is a species?