

Taxonomy

The science of identifying and classifying all living things.

- ↳ Developed by Swedish naturalist - Carl Linnaeus.
- ↳ Different levels of classification

→ Dr. King Phillips came over for good soup

1. Domain (Eukarya)
2. Kingdom (Animalia)
3. Phylum (Chordata)
4. Class (Mammalia)
5. Order (Carnivora)
6. Family (Felidae)
7. Genus (Panthera)
8. Species (pardus) → Leopard.

Homework: 1. Memorize the order of classification
2. Find and classify 2 organisms into the correct order of classification

Dichotomous Keys

- A dichotomous key is a way to easily classify organisms based on their physical characteristics.
- It's a series of questions that have (2) answers until you reach the species name.



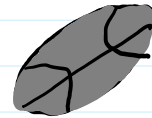
Football
FB



Soccer ball
SB



Basketball
BB



Rugby ball
RB



Tennis ball
TB

1. Is it round?

Yes

SB, BB, TB

2. Is it orange?

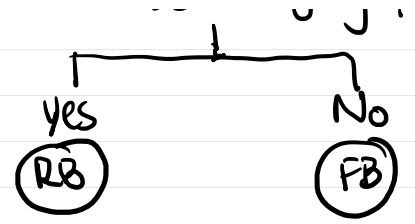
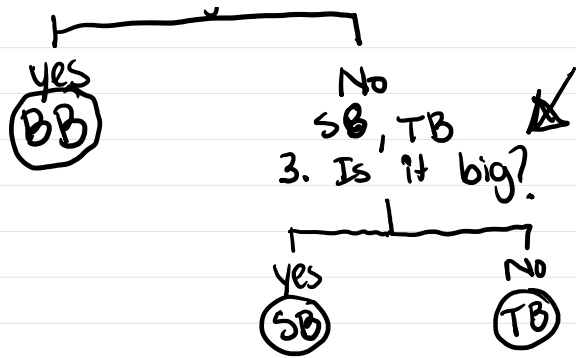
Yes

No

No

FB, RB

2. Is it grey?



- | | | |
|-----------|------------------|----|
| 1a | It is round | 2 |
| <u>1b</u> | It is not round | 4 |
| 2a | It is orange | BB |
| 2b | It is not orange | 3 |
| 3a | It is big | SB |
| 3b | It is not big | TB |
| 4a | It is grey | RB |
| 4b | It is not grey | FB |