

Name: _____

Date: _____

Attachment 1: Classification of Aliens

Objective: The learner will classify aliens using a dichotomous key and the levels of taxonomy.

Directions:

1. Use the dichotomous key below to classify the aliens.
2. Look at an alien, read number one on the dichotomous key and answer the question, continuing until the alien has a name. For example: "Does the first alien have feet?" Yes, he does. The statement tells you to go to statement two. Number two asks, "Does he have socks?" Yes, he does. The statement tells you to go to statement three. Number three asks, "Does he have antennae?" No, he does not. His life form is **K**. Write the letter **K** in the blank under the first alien.
3. Do this for each alien until all have been classified.

Alien Dichotomous Key

1. A. Does the alien have feet?.....Go to statement 2
B. Does the alien have no feet?.....Go to statement 7
2. A. Does the alien have socks?.....Go to statement 3
B. Does the alien have no socks?.....Go to statement 5
3. A. Does the alien have antennae?.....Go to statement 4
B. Does the alien have no antennae?.....It is alien K
4. A. Does the alien have two eyes?.....It is alien R
B. Does the alien have less than two eyes?.....It is alien M
5. A. Does the alien have toes?.....Go to statement 6
B. Does the alien have no toes?.....It is alien T
6. A. Does the alien have long hair?.....It is alien Z
B. Does the alien have no long hair?.....It is alien N
7. A. Does the alien have eyes on stalks?.....Go to statement 8
B. Does the alien have eyes not on stalks?.....Go to statement 9
8. A. Does the alien have a nose?.....It is alien X
B. Does the alien have no nose?.....It is alien Y
9. A. Does the alien have arms?.....It is alien V
B. Does the alien have no arms.....It is alien W

4. When all aliens are named, classify the aliens into the classification system by listing the alien's letters into the groups below.

Kingdom Feet _____	Kingdom No-Feet _____
Phylum Socks _____	Phylum No-Socks _____
Class Eyes-on-Stalks _____	Class Eyes-not-on-Stalks _____
Order Antennae _____	Order No-Antennae _____
Family Hair _____	Family No-Hair _____
Genus Nose _____	Genus No-Nose _____
Species Arms _____	Species No-Arms _____

5. When classifying organisms, kingdom is very general grouping. You will find this group to be the largest group of organisms. Species will be very specific. This group will be the smallest group. Keeping this in mind, use the data above and fill in Kingdom Feet. Using just the aliens from Kingdom Feet, finish this classification. Which alien ended up in species?

Kingdom Feet _____

Phylum Socks _____

Class Eyes not-on-Stalks _____

Order Antennae _____

Family Hair _____

Genus Nose _____

Species Arms _____

Attachment 2: Classifying Aliens

