Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_

Kramarczyk/Wood

**Classification Vocabulary**

***Directions:*** *Make flashcards or a Quizlet for these 14 words, and for the 9 leaf identification terms that follow.*

1. **Classification** - process of grouping things based on similarities
2. **Taxonomy** – scientific study of how living things are classified
3. **Binomial nomenclature** – naming system in which each organism is given a two part name (includes genus and species in name; ex: Homo Sapiens are humans)
4. **Genus** - first word in an organism's scientific name
5. **Species** - second word in an organism's scientific name; most specific classification level
6. **Evolution**- gradual change in species over time
7. **Taxonomic key** – **dichotomous key** - consists of paired statements about the characteristics of different organisms and is used to classify and name organisms
8. **Prokaryote –** an organism with cells that lack a nucleus
9. **Nucleus –** organelle in a cell that contains genetic material and directs all of the cell’s functions
10. **Eukaryote -** an organism with cells that have a nucleus
11. **Kingdom** - broadest classification category
12. **Phylum - Division** – second broadest classification category
13. **Multicellular** – organism made of more than one cell
14. **Unicellular** – organism that is made of only one cell