Chapter 17 — Organizing Life's Diversity

In your textbook, read about how classification began and about biological classification.

For each item in Column A, write the letter of the matching item in Column B.

Column A	Column B
_____ 1. Grouping objects or information based on similarities	**a.** Aristotle
_____ 2. Naming system that gives each organism a two-word name	**b.** Linnaeus
_____ 3. Developed the first system of classification	**c.** genus
_____ 4. Branch of biology that groups and names organisms	**d.** classification
_____ 5. Designed a system of classifying organisms based on their physical and structural similarities	**e.** taxonomy
_____ 6. Consists of a group of similar species	**f.** binomial nomenclature

Determine if the statement is true. If it is not, rewrite the italicized part to make it true.

7. The scientific name of a species consists of a *family* name and a descriptive name.

_____

8. The scientific name of modern humans is *Homo sapiens.*

_____

9. *Latin* is the language of scientific names.

_____

10. The *scientific* names of organisms can be misleading.

_____

11. Taxonomists try to identify the *evolutionary relationships* among organisms.

_____

12. Besides comparing the structures of organisms, taxonomists also compare the organisms' geographic distribution and *chemical makeup.*

_____

13. Similarities between living species and extinct species *cannot* be used to determine their relationship to each other.

_____

14. Because the bones of some dinosaurs have large internal spaces, some scientists think dinosaurs are more closely related to *amphibians* than to reptiles.

_____

15. Classification can be useful in identifying the *characteristics* of an unknown organism.

_____

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