Biology Test Chapter 18

Multiple Choice
Identify the letter of the choice that best completes the statement or answers the question.

____ 1. Which statement about classification is true?
a. Biologist use regional names for organisms.
b. Biologists use a common classification system based on similarities that have scientific significance.
c. Biologists have identified and named most species found on Earth.
d. Taxonomy uses a combination of common and scientific names to make the system more useful.

____ 2. Linnaeus's two-word naming system is called
a. binomial nomenclautre
b. taxonomy
c. trinomial nomenclature
d. classification

____ 3. Several different classes make up a
a. family
b. species
c. kingdom
d. phylum

____ 4. A group of closely related species is a
a. class
b. genus
c. family
d. order

____ 5. Which of the following lists the terms in order from the group with the most species to the group with the least?
a. order, phylum, family, genus
b. family, genus, order, phylum
c. phylum, class, order, family
d. genus, family, order, phylum

____ 6. Grouping organisms together based on their evolutionary history is called
a. evolutionary classification
b. traditional classification
c. cladogram classification
d. taxonomic classification

____ 7. Traditional classification groups organisms together based on
a. derived characters
b. similarities in appearance
c. DNA and RNA similarities
d. molecular clocks

____ 8. In an evolutionary classification system, the higher the taxon level,
a. the more similar the members of the taxon become.
b. the more common ancestors would be found in recent time.
c. the fewer the number of species in the taxon.
d. the farther back in time the common ancestors would be.

____ 9. Classifying organisms using a cladogram depends on identifying
a. external and internal structural similarities
b. new characteristics that have appeared most recently as lineages evolve
c. characteristics that have been present in the group for the longest time
d. individual variations within the group

____ 10. to compare traits of very different organisms, you would use
a. anatomical similarities
b. anatomical differences
c. DNA and RNA
d. proteins and carbohydrates

____ 11. Organisms whose cell walls contain peptidoglycan belong in the kingdom
a. Fungi
b. Eubacteria
c. Plantae
d. Archaebacteria

____ 12. Multicellular organisms with no cell walls or chloroplasts are members of the kingdom
a. Animalla
c. Plantae