

QUIZ YOURSELF

● Classification of Organisms

In each space provided, write the letter of the term or phrase that best completes each statement or best answers each question.

- _____ 1. The organism *Felis concolor* is a member of the genus
- Animalia.
 - concolor*.
 - Felis*.
 - Mammalia.
- _____ 2. An organism can have
- one genus name and one species name.
 - one genus name and two species names.
 - two scientific names if it is found on different continents.
 - two genus names but only one species name.
- _____ 3. The two word system for naming organisms is called
- Latin nomenclature.
 - binomial taxonomy.
 - binomial nomenclature.
 - polynomial nomenclature.
- _____ 4. While the dolphin and the shark are similar in appearance, they evolved independently. This is an example of
- cladistics.
 - phenetics.
 - convergent evolution.
 - divergent evolution.
- _____ 5. The science of classifying organisms on the basis of their similarities is called
- biology.
 - zoology.
 - taxonomy.
 - paleontology.

QUIZ YOURSELF

● Classification of Organisms *continued*

- _____ 6. The correct order of the biological hierarchy from kingdom to species is
- kingdom, class, family, order, phylum, genus, species.
 - kingdom, phylum, order, family, class, genus, species.
 - kingdom, phylum, class, order, family, genus, species.
 - kingdom, class, order, phylum, family, genus, species.
- _____ 7. Which of the following scientists developed the system of classifying organisms by assigning them a genus and species name?
- Leakey
 - Aristotle
 - Darwin
 - Linnaeus
- _____ 8. Which of the following do modern taxonomists study to determine relationships among organisms?
- physical characteristics
 - DNA sequence similarities or differences
 - breeding patterns
 - all of the above
- _____ 9. A branching diagram that shows evolutionary relationships is called a
- derivation.
 - cladogram.
 - taxonomic graph.
 - phenogram.
- _____ 10. Most animals that breed and produce fertile offspring are considered to be members of the same
- class.
 - genus.
 - family.
 - species.