

## Classification Quiz Review Answers

### Crossword Puzzle:

#### Across

3. taxon
5. domain
7. plantae
9. animalia
12. bacteria
15. archaeobacteria
17. autotroph
18. species
19. phylum

#### Down

1. eukarya
2. taxonomy
4. fungi
6. genus
8. Linnaeus
10. nomenclature
13. dichotomous
14. protista
16. chitin

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#### Multiple Choice

- |      |      |      |       |
|------|------|------|-------|
| 1. B | 2. D | 3. C | 4. A  |
| 5. A | 8. C | 9. B | 10. C |

#### Short Answer

12. Evolutionary relationships are used as well as structural similarities of organisms.
13. Binomial nomenclature is useful to all scientists because each name is unique; a combination of the genus name and a term that is different for each species in the genus. Each scientific name is assigned to only one species, so different species are not confused.
14. The seven taxonomic groups are species, genus, family, order, class, phylum and kingdom.
22. Members of the domain Bacteria are all unicellular and prokaryotic. Their cell walls contain peptidoglycan.
23. Prokaryotes lacking peptidoglycan in their cells walls are placed in the domain Archaea.
24. The four kingdoms making up the domain Eukarya are Protists, Fungi, Plantae and Animalia.
25. Unlike members of the Plantae kingdom, members of the Animalia kingdom are heterotrophic, do not have cell walls, and are motile.
28. A: All animals    B: Animals With Backbones    C: Mammals    D: Insects
29. This organism would be placed in the kingdom Protista because it is unicellular, contains a nucleus, and has chloroplasts.
30. Organism A – Plantae                      Organism B – Archaeobacteria                      Organism C - Protista