

Answers

pg 465 # 1,3,4,5,8,9,10,12,13,14,22,23,24,25,30

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

12. Evolutionary Relationships are used as well as structural similarities of the organisms.

13. Binomial nomenclature is useful to all scientists because each name is only assigned to one species, so different species are not confused.

14. From smallest to largest species, genus, family, order, class, phylum, kingdom.

22. Members of the domain bacteria are all unicellular and prokaryotic. Cell walls contain peptidoglycan.

23. They are placed in the kingdom Archae.

24. The four kingdoms making up the domain Eukarya are fungi, protista, animalia and plantae.

25. Unlike members of the Plantae kingdom, members of the Animalia kingdom are heterotrophic, do not have cell walls and are motile.

30. Organism A: Plantae
Organism B: Archaeobacteria
Organism C: Protista