

Skills Worksheet

Directed Reading

Section: Kingdoms and Domains

Complete each statement by writing the correct term or phrase in the space provided.

1. Sponges were once classified as plants but are now classified as _____.
2. Organisms in the kingdom _____ are eukaryotic and have cell walls made of chitin.
3. Organisms in the kingdom _____ have no peptidoglycan in their cell walls and are prokaryotes.
4. Animals have no cells walls, are multicellular and heterotrophic, and are of the _____ cell type.
5. In the three-domain system, two domains have _____ cell structure.
6. The most abundant kind of organism on Earth are the _____.
7. Archeans that live in hot springs that exceed 100°C are called _____.

Complete each statement by underlining the correct term or phrase in the brackets.

8. Archaea [have / do not have] peptidoglycan in their cell walls.
9. Methanogens are found in [the mud of swamps / very salty lakes].
10. [Autotrophs / Heterotrophs] get nutrients from other organisms.
11. The kingdom [Eubacteria / Monera] is equivalent to the domain Bacteria.
12. Scientists think that eukaryotes evolved from some [bacteria / archaea].
13. Fungi are more closely related to [plants / animals] than any other kingdom.
14. [Monera / Protista] is known as the “leftover” taxon.

Directed Reading *continued*

In the space provided, explain how the terms in each pair differ in meaning.

15. cellulose, chitin

16. unicellular, multicellular

Read each question, and write your answer in the space provided.

17. How did the invention of the microscope help the classification of organisms?

18. Where are bacteria found?
