

Skills Worksheet

Science Skills**Interpreting Graphics**

Use the table below to answer questions 1–6.

Domain	Kingdom	Cell type	Cell structure	Body type	Nutrition
Bacteria	Eubacteria	Prokaryotic	Cell wall, peptidoglycan	Unicellular	Autotrophic and heterotrophic
Archaea	Archaeobacteria	Prokaryotic	Cell wall, no peptidoglycan	Unicellular	Autotrophic and heterotrophic
Eukarya	Protista	Eukaryotic	Mixed	Unicellular and multicellular	Autotrophic and heterotrophic
	Fungi	Eukaryotic	Cell wall, chitin	Unicellular and multicellular	Heterotrophic
	Plantae	Eukaryotic	Cell wall, cellulose	Multicellular	Autotrophic
	Animalia	Eukaryotic	No cell wall	Multicellular	Heterotrophic

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

1. Which of the four characteristics that are the headings of the table's columns would be the *best* to use to identify the kingdom of an organism? Explain.

2. What is the primary difference in cell structure between organisms in the kingdoms Archaeobacteria and Eubacteria?

3. Which kingdoms include multicellular heterotrophic organisms?

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4. What primary difference distinguishes organisms in the kingdoms Archaeobacteria and Eubacteria from organisms in the other kingdoms?

5. What characteristics distinguish fungi from plants?

6. Another possible way to classify organisms would be to separate them into unicellular and multicellular organisms. Explain why this would not be a useful classification system.
