

Cell Biology

Name:

Two Kinds of Cells

Period:

Use Chapter 4, Section 1 of your textbook to answer the questions below. The word banks can be used to fill out the sentences below them. Some terms may be used more than once.

eukaryote eukaryotic larger nucleus organelle prokaryote prokaryotic
ribosomes

Two Kinds of Cells (p.118)

- _____ 1. Cells have lots of parts. Every cell has all of the following except....
a. organelles b. cell membrane c. cell wall d. cytoplasm e. DNA
2. Cells that *have* a nucleus are called _____ cells.
3. Cells that *do not have* a nucleus are called _____ cells.
4. Are bacteria prokaryotic or eukaryotic? _____
5. Do cells that are archaea have a nucleus? _____
6. How do prokaryotic cells differ from eukaryotic cells?



Prokaryotes (p.118)

7. A living thing with one cell and no nucleus is called a _____ .
- _____ 8. What is the shape of the molecule that is the DNA of a prokaryote?
a. long and circular b. short and straight c. long and spiral d. short and boxlike
9. _____ are tiny, round organelles made mostly of protein.

Eukaryotes (p.119)

10. Eukaryotic cells are _____ than prokaryotic cells.
11. A living thing that has cells with a nucleus inside a membrane is called a _____ .
12. In eukaryotic cells, DNA is found in an organelle called the _____ .
13. In a cell, each _____ has a specific job.