

Cell Biology

Name:

Two Kinds of Cells

Period:

Use Chapter 4, Section 1 of your textbook to answer the questions below.

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.