Cell Biology

Two Kinds of Cells

eukaryote

eukaryotic

larger

Use Chapter 4, Section 1 of your textbook to answer the questions below. The word bank can be used to fill out the sentences below.

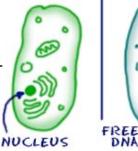
organelle

ribosomes

nucleus

prokaryotic

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 <i>have</i> a nucleus are called cells.
3. Cells that <i>do not have</i> 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 in size 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.
14. Label the cells below as <i>prokaryotic</i> or <i>eukaryotic</i> .



Name:

Period:

prokaryote

prokaryotic