

Cell Biology

Name:

Parts of a Cell

Period:

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. A * means a two word answer.

cytoplasm DNA fluid instructions nucleus organelles
organelles parent cells some parts

Parts of a Cell (p.117)

1. All cells have _____ in common. *

The Cell Membrane and Cytoplasm

- _____ 2. Where is the cell membrane located?
- a. inside the cell
 - b. around the outside of the cell
 - c. in the center of the cell
 - d. in organelles
- _____ 3. Which of the following does NOT describe the cell membrane?
- a. controls what goes into and out of the cell
 - b. is made of fluid
 - c. covers the surface of the cell
 - d. protects the inside of the cell from whatever is outside the cell
4. The fluid (and the stuff floating in it) inside every cell is called _____.

Organelles

5. Structures in every cell that have specific jobs are called _____.
6. In Figure 4, the cytoplasm is made up of _____ and _____.
- _____ 7. Which of the following does NOT describe where organelles can be found?
- a. outside the cell
 - b. attached to membranes
 - c. attached to other organelles
 - d. floating in cytoplasm

Genetic Material

8. At some time in its life, every cell has _____.
9. Where does DNA come from? _____ *
10. Plant and animal cells store DNA in an organelle called a _____.
11. DNA gives cells _____ on how to make or do things.
12. On the diagram below, add the following labels: cell membrane, organelles, nucleus

