

Cell Biology

Brainpop—Cells

Name:

Period:

Watch the Brainpop on cells, then answer the questions below. You can also use Chapter 4, Section 1 of your textbook if you are getting stuck.

- _____ 1. What is the relationship between cells and tissues?
 - a. tissues are made of cells
 - b. cells are made of tissues
 - c. cells contain multiple pieces of tissue
- _____ 2. Which part of an egg would be most similar to the cell membrane?
 - a. the yellow yolk in the center
 - b. the shell around the outside
 - c. the egg white around the yolk
- _____ 3. The majority of a cell's interior is made of...
 - a. cytoplasm
 - b. cell membrane
 - c. organelles
- _____ 4. How are lysosomes similar to kidneys?
 - a. they are located at the bottom of the cell
 - b. they filter waste out of the cell
 - c. they have similar shapes
- _____ 5. What can you conclude about DNA and RNA from the fact that they are like a cell's "brain"?
 - a. they help cells think
 - b. they control the cell's functions
 - c. they are located at the top of the cell
- _____ 6. How are eukaryotic cells different from prokaryotic cells?
 - a. eukaryotic cells have nuclei; prokaryotic cells don't
 - b. eukaryotic cells have a cell membrane; prokaryotic cells don't
 - c. eukaryotic cells contain genetic material; prokaryotic cells don't
- _____ 7. What is a reason why different cells in an organism can look very different?
 - a. they came from different organisms
 - b. they have grown at different rates
 - c. they have different specialized functions
- _____ 8. Most cells are *infinitesimal*, and can only be seen under a microscope. In the preceding sentence, what does *infinitesimal* mean?
 - a. large
 - b. invisible
 - c. tiny
 - d. many
- _____ 9. The word *mitosis* refers to the process of...
 - a. cellular motion
 - b.. cellular division
 - c. cellular function



In the Brainpop, you saw Tim and Moby playing with a dinosaur. What does the dinosaur have to do with cells?