

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

Determine if the statement is true or false. If false, replace the word in **bold** with the correct word on the line. If true, write "true" on the line. Possible word choices are provided below:

eukaryotic    one    organisms    organs

- \_\_\_\_\_ **CELLS** are the "building blocks of life" on Earth.
- \_\_\_\_\_ All living things are made of **TWO** or more cells.
- \_\_\_\_\_ **PROKARYOTIC** cells have a nucleus.
- \_\_\_\_\_ Eukaryotic cells have cytoplasm filled with lots of different **ORGANELLES**.

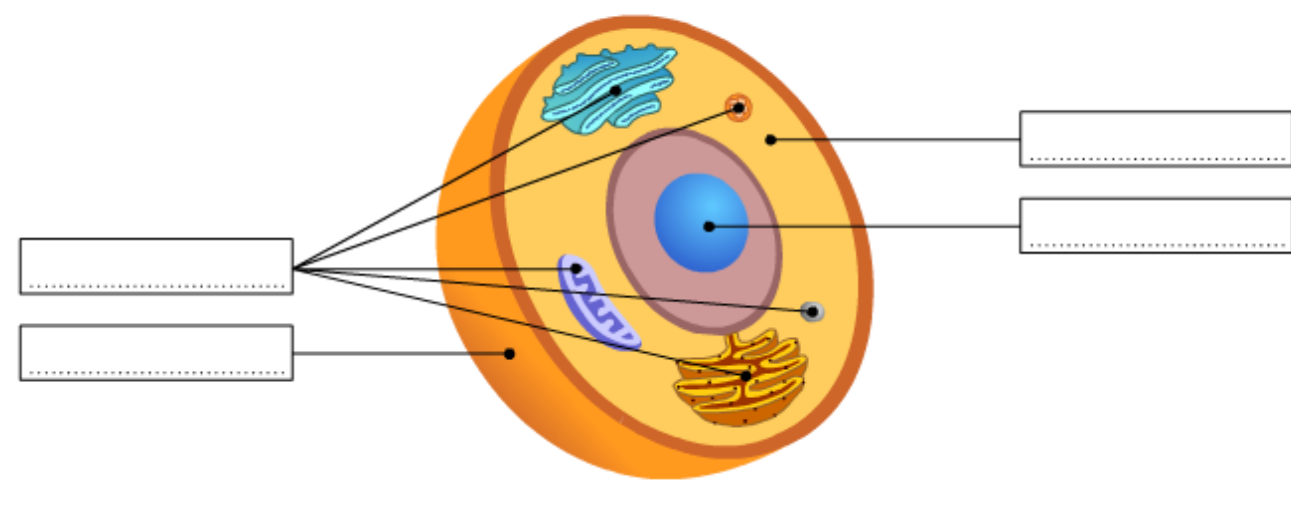
Work: 9 points, Assessment: 2 points

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Label the parts of a cell using the terms from the word bank.

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