

Name _____ Date _____ Period _____

Introduction to Cells Foldable

For this unit, we are going to be taking notes in a 5-flap foldable.

Set-up

- You will need 3 blank sheets of paper.
- Slide the papers so the bottoms are ~1 cm apart.
- Fold over the tops (to add more flaps) that are also ~1 cm apart.
- Staple the top fold.
- Label the flaps

<h3>Introduction to Cell Basics</h3>	
Name	Period
Cell Theory	
Prokaryotes vs. Eukaryotes	
Levels of Organization	
Cell Differentiation	
Plant Cell vs. Animal Cell	

Cell Theory Flap

- TOP FLAP: List 2 of the cell theory statements. Be sure to include a colored picture, and the scientist who made the discovery. Use pages 92-94.
- BOTTOM FLAP: List the remaining 2 statements of the cell theory. Be sure to include a colored picture, and the scientist who made the discovery.

Prokaryotes vs. Eukaryotes

- TOP FLAP: Define Prokaryotic Cell and Eukaryotic Cell in complete sentences.
- BOTTOM FLAP: Use pages 95-96 to make a double bubble map for prokaryotic and eukaryotic.

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Levels of Organization

- TOP FLAP: Use pages 33-34 to define: cell organelle, cell, tissue, organ, organ system, and organism.
- BOTTOM FLAP: Make a 6 box flow map for the levels of organization. Include the name of the level and a colored picture.

Cell Differentiation

- LEFT SIDE OF TOP FLAP: Use the *Cell Differentiation* reading to define: unicellular organisms, multicellular organisms, specialized cells, and cell differentiation.
- RIGHT SIDE OF TOP FLAP: Use the *Cell Differentiation* reading to explain *WHY* cell differentiation is needed in multicellular organisms.
- BOTTOM FLAP: Illustrate and label cell differentiation. You may use the image from page 162.

Plant Cell vs. Animal Cell

- TOP FLAP: Cut and paste the plant cell. Put a box around the cell organelles that are unique to plant cells. Use pages 98-104.
- BOTTOM FLAP: Cut and paste the animal cell. Put a box around the cell organelles that are unique to animal cells.

Back of Foldable

- Complete the Comic Cell City

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Teacher Notes:

Cell theory notes- Cell Theory2.pdf or .docx
Cell Differentiation- Cell Differentiation Reading
Plant cell vs. animal cell- Cell colorings-NEW-12
Comic Cell City- Comic Cell City-student

Fun cell theory video

<http://ed.ted.com/lessons/the-wacky-history-of-cell-theory>