Case Details

Case Title:

Making the cell

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Date Published:

9/8/2008

Grade Level(s):

Middle School

Subject(s):

Life Science

Summary:

Did you see "Making the Cell" last season? Well, a lot has changed since then. The group has finally made it to the beginning stages of the music business. Will they all be able to work together to complete a common goal? Read to find out the latest happenings with Bay-Boy's newest venture.

Suggested Citation:

Harris, W., & Parker, S. (2008). *Making the cell*. Retrieved June 03, 2012 from Emory University, CASES Online Web site: http://www.cse.emory.edu/cases/casedisplay.cfm?case_id=718

Learning Objectives:

1. Explain how life is organized from a single cell.
2. Describe the difference between unicellular and multi-cellular organisms.
3. Explain the difference between prokaryotic and eukaryotic cells.
4. Explain the function of each part of a cell.
5. Describe how osmosis occurs.
6. Explain the process of diffusion.
7. Compare active transport and passive transport.
8. Explain how large particles get into and out of the cell.
9. Describe the process of mitosis.

National/State Standards:

Georgia Performance Standards

S7CS1. Students will explore the importance of curiosity, honesty, openness, and skepticism in science and will exhibit these traits in their own efforts to understand how the world works. (NSES Content Standard A).

S7CS6. Students will communicate scientific ideas and activities clearly. (NSES Content Standard A)

S7CS7. Students will question scientific claims and arguments effectively. (NSES Content Standard A)

S7CS10. Students will enhance reading in all curriculum areas by reading a minimum of 25 books, conducting book discussions, building vocabulary knowledge and establishing context.

S7L1. Students will investigate the diversity of living organisms and how they can be compared scientifically. (NSES Content Standard C)

S7L2. Students will describe the structure and function of cells, tissues, organs, and organ systems. (NSES Content Standard C)