

Spotlight on Biology:

Visualizing Cell Processes

A comprehensive program utilizing clear animations and extraordinary microscope footage of living cells for teaching and studying fundamental cell processes at the high school/beginning college level.

These titles provided via the

**EMERGING
TECHNOLOGIES**

partnership with

captionmax



LEARN MORE»



Photo: <http://flickr.com/vabellon/243812958>

CELLS AND MOLECULES

Includes the following modules: "The Cell Machinery," "A Variety of Cells," "Organic Molecules: The Building Blocks of Life," "Prokaryote Evolution and Diversity," and "Independently Living Eukaryotic Cells."

PHOTOSYNTHESIS AND CELLULAR RESPIRATION

Includes: "Chloroplast Structure," "Light Trapping by Chlorophyll," "Light-Dependent Reactions of Photosynthesis," "The Light-Independent Reactions of Photosynthesis," "Glycolysis and Fermentation," "Mitochondrion Structure," "Aerobic Respiration," "Krebs Cycle," "Electron Transport Chain," and "ATP synthesis."

Photo: <http://flickr.com/epsos/3384297473>

DNA REPLICATION, MITOSIS, AND CELL REPRODUCTION

Includes: "Mitosis: Chromosome Condensation," "Mitosis: Stages," "Cytokinesis," "Meiosis," "Nucleotide Structure and Bonding," "Replication Enzymes," "Replicating the Strands," "The Twisting Problem," and "Proofreading and Repair."

Photo: <http://flickr.com/kubina/471144970>

CELL MOVEMENT AND TRANSPORT

Includes: "Behavior of the Plasma Membrane," "Osmosis," "Transport Proteins," "Phagocytosis," "Pinocytosis," "Receptor Mediated Endocytosis," "Golgi Function," "Lysosomes and Digestion," "Microtubules," "Cilia," and "Actin and Myosin Motor Proteins."

Photo: <http://flickr.com/ajc1/2527157909>

THE GENETIC CODE AND ITS TRANSLATION

Includes: "The Protein Nature of Life," "Protein Structure," "Transcription," "Translation and Protein Synthesis," "Gene Regulation in Prokaryotes," "Classes of Eukaryote DNA," "Exons and Introns," and "Mutations."

Photo: http://flickr.com/freckle_m/271578512

Check the DCMP website for a listing of [new titles available through the Emerging Technologies partnership.](#)



DESCRIBED AND CAPTIONED MEDIA PROGRAM



dcmp.org



info@dcmp.org



twitter.com/dcmp_tweets



facebook.com/the.dcmp

#161-January 2010 • The DCMP is funded by the U.S. Department of Education and administered by the National Association of the Deaf.



This page is intentionally blank.

Actually, it's not really blank. This page allows us to quickly and easily provide alternative accessible content to screen-reader users and provides for more accurate indexing of the primarily graphical content by search engines.

Please be sure to only print page 1, unless you enjoy reading this notice again.