BI 112 - Cell Biology for Health Occupations

OER Text Resources

Updated 9/20/2019

# Introduction and Organizing Principles

<https://cnx.org/contents/FPtK1zmh@15.1:raNQgZ7E@6/1-1-Overview-of-Anatomy-and-Physiology>

<https://cnx.org/contents/FPtK1zmh@15.1:Xh_25wmA@10/1-2-Structural-Organization-of-the-Human-Body>

# Homeostasis

<https://cnx.org/contents/FPtK1zmh@15.1:8Q_5pQQo@7/1-5-Homeostasis>

# Matter, Elements, Atoms

<https://cnx.org/contents/FPtK1zmh@15.1:uC1BEgbn@7/2-1-Elements-and-Atoms-The-Building-Blocks-of-Matter>

<https://cnx.org/contents/FPtK1zmh@15.1:LGDgcnZl@8/2-2-Chemical-Bonds>

# Bonding and Chemical Notation

<https://cnx.org/contents/FPtK1zmh@15.1:LGDgcnZl@8/2-2-Chemical-Bonds>

# Balancing Equations

<https://cnx.org/contents/RTmuIxzM@9.17:OPUZErIh@23/Writing-and-Balancing-Chemical-Equations>

# Types of Energy

<https://cnx.org/contents/FPtK1zmh@15.1:oZea9ldh@7/2-3-Chemical-Reactions>

# Properties of Water

<https://cnx.org/contents/jVCgr5SL@15.3:fi0N3nsv@11/2-2-Water>

# Solutions, Solutes, pH and Buffers

<https://cnx.org/contents/jVCgr5SL@15.3:fi0N3nsv@11/2-2-Water>

# Biological Molecules

<https://cnx.org/contents/jVCgr5SL@15.3:P_h13WvU@10/2-3-Carbon>

<https://cnx.org/contents/jVCgr5SL@15.3:Ss-nKSug@10/3-1-Synthesis-of-Biological-Macromolecules>

<https://cnx.org/contents/jVCgr5SL@15.3:pKmvmCbd@10/3-2-Carbohydrates>

<https://cnx.org/contents/jVCgr5SL@15.3:lQpWuQGI@10/3-3-Lipids>

<https://cnx.org/contents/jVCgr5SL@15.3:IRyJF0BE@11/3-4-Proteins>

<https://cnx.org/contents/jVCgr5SL@15.3:EGAbdYfO@10/3-5-Nucleic-Acids>

<https://cnx.org/contents/jVCgr5SL@15.3:vzc99fEO@10/6-4-ATP-Adenosine-Triphosphate>

# Cell Theory

<https://cnx.org/contents/5ZI71dr1@3.2:CvBDubkf@1/Prokaryotic-and-Eukaryotic-Cells>

# Cell Membranes and Organelles

<https://cnx.org/contents/jVCgr5SL@15.3:tkYxfIqu@10/5-1-Components-and-Structure>

<https://cnx.org/contents/5ZI71dr1@3.2:BT9RfVr-@2/A-More-Detailed-Look-at-Eukaryotic-Cells>

# Membrane Permeability, Transport and Osmosis

<https://cnx.org/contents/jVCgr5SL@15.3:xy5C3n_j@10/5-2-Passive-Transport>

<https://cnx.org/contents/jVCgr5SL@15.3:bluxTC2Z@10/5-3-Active-Transport>

<https://cnx.org/contents/jVCgr5SL@15.3:grQX4WRx@10/5-4-Bulk-Transport>

# DNA and Replication

<https://cnx.org/contents/FPtK1zmh@15.1:9TxHOD3O@8/3-3-The-Nucleus-and-DNA-Replication>

# Protein Synthesis

<https://cnx.org/contents/5ZI71dr1@3.2:utN40dRD@1/Transcription>

<https://cnx.org/contents/5ZI71dr1@3.2:T_FNCBJf@2/Translation>

# Cell Cycle and Mitosis

<https://cnx.org/contents/jVCgr5SL@15.3:SeU_rWbd@11/10-2-The-Cell-Cycle>

<https://cnx.org/contents/jVCgr5SL@15.3:1dg9UsAS@11/10-4-Cancer-and-the-Cell-Cycle>

# Meiosis and Gametogenesis

<https://cnx.org/contents/jVCgr5SL@15.3:WzgNHpon@10/11-1-The-Process-of-Meiosis>

<https://cnx.org/contents/jVCgr5SL@15.3:AICsdTCp@10/11-2-Sexual-Reproduction>

# Genetics and Patterns of Inheritance

<https://cnx.org/contents/jVCgr5SL@15.3:D6QqvHFC@13/12-2-Characteristics-and-Traits>

<https://cnx.org/contents/jVCgr5SL@15.3:8Zft46As@11/12-3-Laws-of-Inheritance>

<https://cnx.org/contents/jVCgr5SL@15.3:2CO-nyxj@10/13-1-Chromosomal-Theory-and-Genetic-Linkage>

<https://cnx.org/contents/jVCgr5SL@15.3:9hjJaY5y@11/13-2-Chromosomal-Basis-of-Inherited-Disorders>