

BI 112 - Cell Biology for Health Occupations

OER Text Resources

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1. 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

2. Homeostasis

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

3. 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>

4. Bonding and Chemical Notation

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

5. Balancing Equations

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

6. Types of Energy

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

7. Properties of Water

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

8. Solutions, Solutes, pH and Buffers

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



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9. 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:pKmvnCbd@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>

10. Cell Theory

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

11. 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>

12. 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>

13. DNA and Replication

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

14. Protein Synthesis

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



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

15. 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>

16. 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>

17. 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>

