

Chapter 2 Active Reading Guide

The Chemical Context of Life

This chapter covers the basics that you may have learned in your chemistry class. Whether your teacher goes over this chapter, or assigns it for you to review on your own, the questions that follow should help you focus on the most important points.

Section 1

1. Define and give an example of the following terms:

Term	Definition
matter:	All physical substances.
element:	Chemical substances that cannot be broken down
compound:	A mix of two or more elements.

2. What four elements make up 96% of all living matter?

Carbon, Oxygen, Hydrogen, and Nitrogen

3. What is the difference between an *essential element* and a *trace element*?

While essential elements are needed in large quantities for an organism to live a healthy life, trace elements are needed in very little amounts.

Section 2

4. Sketch a model of an atom of helium, showing the electrons, protons, and neutrons, and atomic nucleus.



5. What is the atomic number of helium? 2 Its atomic mass? 4

Chapter 36 Ap Bio Reading Guide Answers

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Chapter 36 Ap Bio Reading Guide Answers:

Whitaker's Cumulative Book List ,1984 Principles and Practice of Surgery for the Colon, Rectum, and Anus Philip H. Gordon,Santhat Nivatvongs,2007-02-23 Supplying lavish color illustrations that fully detail key anatomical structures and pathology this Third Edition encompasses the complete range of diseases encountered by colorectal surgeons in day to day clinical practice and spans topics related to anorectal disorders colorectal conditions problem oriented approaches to colorectal disease an **Resources in Education** ,1996 *Readers' Guide to Periodical Literature* ,1918 Author and subject index to a selected list of periodicals not included in the Readers guide and to composite books **The Bookseller** ,1966 Vols for 1871 76 1913 14 include an extra number The Christmas bookseller separately paged and not included in the consecutive numbering of the regular series **Cumulated Index Medicus** ,1992 **Norton's Literary Gazette and Publishers' Circular** ,1851 Nature Sir Norman Lockyer,1927 **Norton's Literary Advertiser** ,1853 *The Spectator* ,1853 A weekly review of politics literature theology and art

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