

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:	Mixture 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

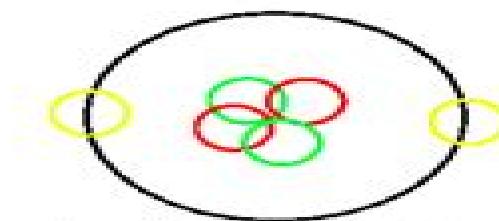
4. Sketch a model of an atom of helium, showing the electrons, protons, neutrons, and atomic nucleus.



=Proton



Neutron



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

Ap Biology Chapter 27 Reading Guide Answers

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AP® Biology Crash Course, 2nd Ed., Book + Online Michael D'Alessio, Lauren Gross, 2013-02-21 Provides strategies and tips for increasing scores on each section of the exam features subject specific review and offers explanations of the thirteen AP biology labs

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General Catalogue of Printed Books to 1955 British Museum. Dept. of Printed Books, 1967 **Scientific American**, 1961 Monthly magazine devoted to topics of general scientific interest **The Journal of Education**, 1901 **Choice**, 1990 **National Library Service Cumulative Book Review Index, 1905-1974: Titles**.

[A-Z] National Library Service Corporation, 1975 **The Law Times**, 1885 **Bookseller and the Stationery Trades' Journal**, 1968 **Publisher and Bookseller**, 1967 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

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