

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?

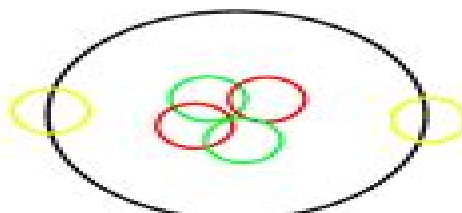
Carbon, Oxygen, Hydrogen, and Nitrogen

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

Ap Biology Reading Guide Answers Chapter 43

**Linda Brooke Stabler, Mark
Metz, Allison Wilkes**



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The Well-Trained Mind Susan Wise Bauer, Jessie Wise, 2009-05-04 If you're a parent who has decided to educate your children yourself this book is the first you should buy Washington Times The Well Trained Mind will instruct you step by step on how to give your child an academically rigorous comprehensive education from preschool through high school one that will train him or her to read to think to understand to be well rounded and curious about learning Veteran home educators Jessie Wise and Susan Wise Bauer outline the classical pattern of education called the trivium which organizes learning around the maturing capacity of the child's mind and comprises three stages the elementary school grammar stage the middle school logic stage and the high school rhetoric stage Using this theory as your model you'll be able to instruct your child in all levels of reading writing history geography mathematics science foreign languages rhetoric logic art and music regardless of your own aptitude in those subjects This newly revised edition contains completely updated ordering information for all curricula and books new and expanded curricula recommendations new material on using computers and distance learning resources answers to common questions about home education information about educational support groups and advice on practical matters such as working with your local school board preparing a high school transcript and applying to colleges

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