

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?

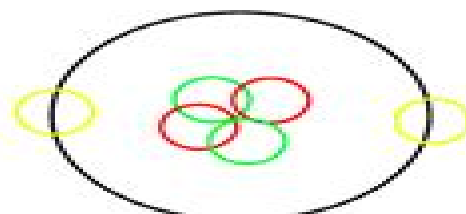
Carbon, Oxygen, Hydrogen, and Nitrogen

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 45

R Barnett



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In a digitally-driven world where displays reign supreme and quick connection drowns out the subtleties of language, the profound secrets and psychological nuances concealed within words usually go unheard. However, set within the pages of **Ap Biology Reading Guide Answers Chapter 45** a fascinating literary prize blinking with fresh feelings, lies an extraordinary quest waiting to be undertaken. Penned by a talented wordsmith, that enchanting opus attracts viewers on an introspective trip, lightly unraveling the veiled truths and profound influence resonating within the very material of each and every word. Within the emotional depths with this emotional review, we can embark upon a sincere exploration of the book is core styles, dissect its interesting publishing model, and yield to the strong resonance it evokes deep within the recesses of readers hearts.

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