

Active Reading

Active Reading

Readers: The Atmosphere

Read the passage below and answer the questions that follow.

Each energy source that Earth's atmosphere receives includes visible light, infrared radiation, and ultraviolet light. The sun releases a vast amount of radiation, but our planet only receives ultraviolet radiation of this energy. This incoming wave disperses into ultraviolet, a tremendous amount of energy. However, about half of the solar energy that enters the atmosphere passes through the atmosphere and reaches the Earth's surface. The rest of the energy is absorbed by the atmosphere by clouds, gases, and dust, so it is reflected by the Earth's surface. The amount that enters the atmosphere is small, so the Earth's surface continuously absorbs energy that Earth would get from the sun. The Earth then warms and the atmosphere becomes the warmest part of the system, therefore, they have absorbed heat from the atmosphere.

IDENTIFYING MAIN IDEAS

Each reading skill tests ability to identify the main idea of a passage. The reader must be able to know at any time if a passage is a main idea or supported by supporting information that either supports the main idea or contradicts it.

In the reader paragraph, identify the main idea of the text or passage that best summarizes each paragraph from the passage.

1. Which energy source does not Earth's atmosphere receive?
 a. visible light
 b. infrared radiation
 c. ultraviolet light
 d. ultraviolet waves

2. Which source of the energy radiation does Earth receive?
 a. sun
 b. atmosphere
 c. Earth
 d. particles

3. Approximately what percentage of solar energy that passes through the atmosphere reaches Earth?
 a. 12 percent
 b. 20 percent
 c. 30 percent
 d. 40 percent

In the reader paragraph, identify the main idea of the passage that best summarizes the passage.

4. Which light, infrared radiation, and ultraviolet light are all forms of
 a. energy
 b. atmosphere gases

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Chambers's National Reading-books
 William Chambers, 1874 Understanding Reading Problems Jean W. Gillet, Charles Temple, 1998-03-21 Chemistry: Collected experiments Nuffield Foundation. Science Teaching Project, 1968 *Anthropods Biology 2004* Holt Rinehart & Winston, Holt, Rinehart and Winston Staff, 2004 *Chapter Resource 4 Cells and Their Environment Biology* Holt Rinehart & Winston, Holt, Rinehart and Winston Staff, 2004 *Prentice Hall Science Explorer: Teacher's ed*, 2005 **Teaching Reading Comprehension Processes** Judith Westphal Irwin, 2007 The Third Edition of Teaching Reading Comprehension Processes is a comprehensive and eclectic book on teaching reading comprehension in the elementary grades. The overarching goal of this text is to encourage critical thinking and to challenge readers to examine preconceived ideas and beliefs about teaching comprehension. This well researched text is a comprehensive overview of how the relationship among reader, text, and situation affects the reading process and why comprehension takes place. The Third Edition explores various and contending schools of thought in reading comprehension research and successfully gives students perspective on the socio-cultural influences on reading comprehension.

Scientific American, 1892 **Chapter Resource 40 Body's Defenses Biology** Holt Rinehart & Winston, Holt, Rinehart and Winston Staff, 2004 **Nature**, 1900 Airports and Air Carriers, 1948 **Read, Write, React (Im)** Smith, 1996-11

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