

Active Reading

Section: Energy and Living Things

Read the passage below. Then answer the questions that follow.

The process by which light energy is converted to chemical energy is called **photosynthesis**. Organisms that use energy from sunlight or inorganic substances to make organic compounds are called **autotrophs**. Most autotrophs, especially plants, are photosynthetic organisms. Some autotrophs, including certain bacteria, use inorganic substances to make organic compounds.

Organisms that must get energy from food instead of directly from sunlight or inorganic substances are called **heterotrophs**. Heterotrophs, including humans and other animals, get energy from food through the process of **cellular respiration**.

SKILL: READING EFFECTIVELY

Read each question, and write your answer in the space provided.

1. The prefix *photo-* means "light." The root word *synthesis* comes from a Greek word that means "putting together." How could knowledge of these word parts help you define the word *photosynthesis*?

2. The prefix *auto-* means "self." The root word *troph* comes from a Greek word that means "to feed." How could knowledge of these word parts help you define the word *autotroph*?

3. The prefix *hetero-* comes from a Greek word that means "other." How could knowledge of this prefix and the root word *troph* help you define the word *heterotroph*?

Section Energy And Living Things Holt Biology

Xiaolong Qi



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