Name	Date
Reinforcement 13.3: Energy in Ecosystems	
KEY CONCEPT Life in an ecosystem requir	res a source of energy.
All organisms must have a source of ener	gy in order to survive.
• Producers get their energy from nonlive their own food. Producers are also called	
• Consumers get their energy by eating of Consumers are also called heterotroph	
Photosynthesis is the two-stage process the some protists use to produce energy in the chemical reactions form carbohydrates from the chemical reactions.	e form of carbohydrates. These
Other producers use chemicals to form cachemosynthesis. Chemosynthetic productions communities as well as in sulfur-rich salt	cers are found in deep-sea vent
1. What is the difference between a producer	and a consumer?
2. Why do all ecosystems depend on produ	cers?
3. How are consumers dependent on the Su	n?
4. What is the difference between photosyn	thesis and chemosynthesis?

Section Quiz 13.3: Energy in Ecosystems

Choose the letter of the best answer.	
	 An organism that makes its own food is called a a. consumer. b. producer. c. heterotroph. d. chloroplast.
	2. A moose is considered to be a consumer because ita. gets energy by eating other resources.b. makes its own food.c. forms carbohydrates using chemicals.d. uses sunlight for energy is not in any ecosystem.
	3. The basis for the energy in an ecosystem is provided by a. consumers.b. heterotrophs.c. chemosynthesis.d. producers.
	4. Most producers get energy from the Sun using the process of a. respiration.b. consumption.c. photosynthesis.d. chemosynthesis.
	5. Chemosynthesis is the process in which organismsa. form carbohydrates using chemicals.b. get energy by eating other organisms.c. make chemicals that absorb sunlight.d. use energy from the sun to form carbohydrates.