

Section 3–2 Energy Flow (pages 67–73)

This section explains where the energy for life processes comes from. It also describes how energy flows through living systems and how efficient the transfer of energy is among organisms in an ecosystem.

Introduction (page 67)

1. What is at the core of every organism's interaction with the environment?

Producers (pages 67–68)

2. What source of energy do organisms use that don't use the sun's energy?
3. What are autotrophs?
4. Why are autotrophs also called producers?
5. What do autotrophs do during photosynthesis?
6. For each of the following, write which kind of autotroph is the main producer.
 - a. Land:
 - b. Upper layers of ocean:
 - c. Tidal flats and salt marshes:
7. What is chemosynthesis?
8. Where do bacteria that carry out chemosynthesis live?

Consumers (pages 68–69)

9. Heterotrophs are also called:
10. Plant and animal remains and other dead matter are collectively called
11. Complete the table about types of heterotrophs.

TYPES OF HETEROTROPHS

Type	Definition	Examples
Herbivore	Heterotroph that eats animals	Cows, rabbits
Omnivore		Humans, bears, crow
Detritivore		
Decomposer		

Feeding Relationships (pages 69–71)

12. How does energy flow through an ecosystem?

Answer Key To Section 3 2 Energy Flow

S Marginson



Answer Key To Section 3 2 Energy Flow:

Gas Kinetics and Energy Transfer P. G. Ashmore, R. J. Donovan, 1977-01-01 Reflecting the growing volume of published work in this field researchers will find this book an invaluable source of information on current methods and applications

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