Chapter 8 Photosynthesis

Section 8–1 Energy and Life (pages 201–203)

C Key Concepts

- Where do plants get the energy they need to produce food?
- What is the role of ATP in cellular activities?

Autotrophs and Heterotrophs (page 201)

- 1. Where does the energy of food originally come from? _____
- **2.** Complete the table describing the types of organisms.

TYPES OF ORGANISMS

Туре	Description	Examples
	Organisms that make their own food	
	Organisms that obtain energy from the food they eat	

Chemical Energy and ATP (page 202)

- 3. What is one of the principal chemical compounds that cells use to store energy?
- 4. How is ATP different from ADP? _____
- 5. Label each part of the ATP molecule illustrated below.



6. When a cell has energy available, how can it store small amounts of that energy?

Name	(lass	Date
7. When is the energy	39 stored in ATP releas	sed?	
1 1			it exceptionally useful
a	ys in which cells use the	0,1	
Using Biochemi	cal Energy (page for cells to keep only	s 202–203)	
			-
11. Circle the letter o	f where cells get the er	hergy to regene	erate ATP.

- a. ADP
- **b.** phosphates
- **c.** foods like glucose
- d. organelles