Chemical Reactions (page 49)

1. What is a chemical reaction? __

2. In the space provided, write a definition for each of the terms

	Definition
Reactants	
Products	

3. Chemical reactions always involve changes in chemical

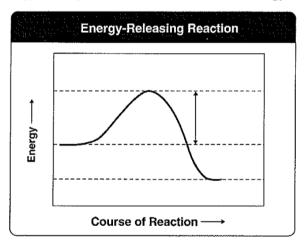
Energy in Reactions (page 50)

4. What is released or absorbed whenever chemical bonds form or are broken?

5. What do chemical reactions that absorb energy need to occur?

6. Chemists call the energy needed to get a reaction started the ______.

7. Complete the graph of an energy-releasing reaction by indicating where the energy of the reactants, the energy of the products, and the activation energy should appear.



Enzymes (pages 51-52)

8.	What is a catalyst?
9.	Proteins that act as biological catalysts are called
10.	What do enzymes do?
11.	What is part of an enzyme's name usually derived from?

	e reactants of enzyme-catalyzed reactions are known as
	y are the active site and the substrates in an enzyme-catalyzed
rea	ction often compared to a lock and key?
14. The	e binding together of an enzyme and a substrate forms a(an)
15. Ho	w do most cells regulate the activity of enzymes?