Chemistry in Biology Section 2 Chemical Reactions ← Main Idea⁻ **Oetails Skim** Section 2 of the chapter. Write two facts that you discovered as you read the headings and illustration captions. 1. 2. _ Review Vocabulary Use your book or dictionary to define process. process New-Use your book or dictionary to define each term. Vocabulary chemical reaction reactant product activation energy catalyst enzyme substrate active site Academic Vocabulary Define coefficient to show its scientific meaning. coefficient

Section 2 Chemical Reactions (continued)

⊂Main Idea⊃_

Details —

reactants.

Reactants and Products

I found this information on page _____.



Label the sides of the following equation as either products or

Calculate the number of atoms of each element in the chemical equation above. Record the information in the table below.

Element Symbol	Element Name	Number of Atoms (reactant side)	Number of Atoms (product side)

Analyze the formula to check to see if it is balanced. Support your reasons.

Energy of Reactions

I found this information on page _____.

Compare what happens to energy in exothermic and endothermic reactions by completing the diagram below.



Date _____

Section 2 Chemical Reactions (continued)

Main Idea	Details		
Enzymes I found this information	Summarize key characteristics of an enzyme by completing the organizer below.		
on page	Composed of:	Purpose:	
	Compounds	Reusable?	
	Participates in how many different types of reactions?	Activity level affected by:	
	Analyze how an enzyme works to paragraph. For a substrate to bind with a pand	<i>by completing the following</i> particular enzyme, the	
	match that of the enzyme's	of the substrate must	
	substrate complex, chemical bon	ids in the are	
ļ	broken and fc	orm. The results of the interaction	
}	between an enzyme and its	are products, whic	
1	are released by the	·	
SUMMARIZE	<u> </u>		
A	nalyze the role of catalysts in ch	emical reactions.	
