Assignment 8-3, 8-4, 8-5

	Name
	Class Period
. What is a synthesis reaction ?	Date? 1999 Sci-Ed Service
White the equation for a symthesis recetion on the li	no holow
. Write the <u>equation</u> for a synthesis reaction on the li	ne below.
3. What is a decomposition reaction ?	
. Write the <u>equation</u> for a decomposition reaction on	the line below.
s. What is a single-replacement reaction ?	
. Write the <u>equation</u> for a single-replacement reactio	on the line below.
. What is a double-replacement reaction?	
s. Write the <u>equation</u> for a double-replacement reaction	on on the line below.
. Who discovered the element oxygen ?	
0. Describe the chemical reaction that led to the disco	very of oxygen.
What type of reaction occurs when baking soda is n	nixed with vinegar?
Write the chemical formulas for baking soda and vir	negar.
3. Describe the chemical reaction that allows us to get	silver metal from a solution of silver nitra

Please continue on the other side.

14.	What does the prefix exo mean?	
15.	What does the prefix <i>endo</i> mean?	
16.	Explain the difference between an exothermic reaction and an endothermic reaction.	
17.	Give two examples of chemical reactions that require extra activation energy to get started. (More than the energy available from a room temperature atmosphere.)	
18.	What is meant by the term reaction rate ?	
19.	Basing your answer on the <i>collision theory</i> , explain why the concentration of reactants affects the reaction rate.	
20.	Basing your answer on the <i>collision theory</i> , explain why the amount of surface area of reactan affects the reaction rate.	
21.	Basing your answer on the <i>collision theory</i> , explain why the temperature of reactants affects th reaction rate.	
22.	Explain how catalysts increase the reaction rate of chemical reactions.	
23.	What is the <i>greenhouse effect</i> ?	
24.	How does carbon dioxide (CO ₂) contribute to excess warming of our atmosphere?	
<u></u> 25.	According to your science text, how much carbon dioxide is released into the atmosphere every year?	