Name _				Class	Date
<u></u>	_ 13.	The speed of a reaction can be increased by increasing reactant concentration or decreasing particle size.An enzyme is a biological catalyst.			
	_ 14.				
Part (Mat	tching			
Match e	ach a	lescription in Column B to	the corr	ect term in Column A.	
		Column A		Column B	
	_ 15.	rate	a.	synonym for an activated compl	ex
	_ 16.	collision theory	b.	speed of a change that occurs ov	ver time
	_ 17.	activation energy	c.	substance that interferes with th	e action of a catalyst
	_ 18.	transition state	d.	Particles can react to form producollide, provided they have enough	-
	_ 19.	catalyst	e.	substance that increases the rate being used up	e of a reaction without
	_ 20.	inhibitor	f.	minimum energy particles must	have in order to react
Part D	Qu	estions and Problems	5		

Answer the following question and solve the following problem in the space provided.

21. An ice machine can produce 120 kg of ice in 24 hours. Express the rate of ice production in kg/hr.

- **22.** Which of the following will increase the rate of a reaction?
 - a. increase particle size
 - **b.** increase temperature
 - **c.** decrease concentration
 - **d.** add a catalyst