



Name \_\_\_\_\_ Class \_\_\_\_\_ Date \_\_\_\_\_

1 If a student uses **50 more** grams **than necessary** of  $\text{CaCO}_3$  for the reaction shown below, 50 grams of  $\text{CaCO}_3$  would be left over.

True or false?

- A true
- B false



2 Which statement is correct for the **reaction** shown below?



- A it is a decomposition reaction
- B it is a synthesis reaction to make hydrochloric acid
- C mixing certain acids and bases makes salt and water
- D only a physical change has occurred

3 Which type of **chemical reaction** is occurring in the equation shown below?



4 In the reaction shown below, **500** grams of  $\text{KClO}_3$  produced **303** grams of **KCl**. How much **oxygen** (O) was produced

5



## PREVIEW

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7

chemical reaction?



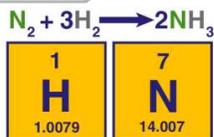
- A take away the products
- B reduce the amount of reactants
- C increase the amount of reactants
- D decrease the temperature

- A rate of reaction to the right equals the rate of reaction to the left
- B rate of reaction to the right is lower than the rate to the left
- C rate to the right doubles the rate to the left
- D rate to the right is reduced to one half of the rate to the left

9

What correctly describes this **chemical reaction**?

- A decomposition reaction producing 34 amu of  $\text{NH}_3$
- B single replacement reaction producing 17 amu of  $\text{NH}_3$
- C synthesis reaction producing 17 amu of  $\text{NH}_3$
- D synthesis reaction producing 34 amu of  $\text{NH}_3$



10

All chemical reactions require **activation energy**.

True or false?

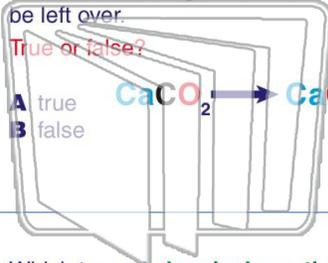
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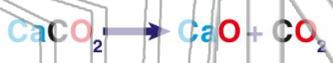
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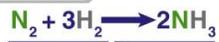


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1 <b>H</b> 1.0079	7 <b>N</b> 14.007
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