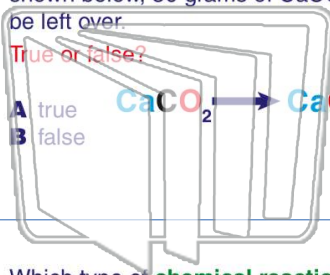




Name _____ Class _____ Date _____

1 If a student uses **50 more** grams **than necessary** of CaCO_3 for the reaction shown below, 50 grams of CaCO_3 would be left over.



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 KClO_3 produced **303** grams of **KCl**. How much **oxygen** (O) was produced



PREVIEW

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7 Which factor would **not** increase the rate of a 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 NH_3
B single replacement reaction producing 17 amu of NH_3
C synthesis reaction producing 17 amu of NH_3
D synthesis reaction producing 34 amu of NH_3

$$\text{N}_2 + 3\text{H}_2 \rightarrow 2\text{NH}_3$$

1 H 1.0079	7 N 14.007
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10 All chemical reactions require **activation energy**. True or false?

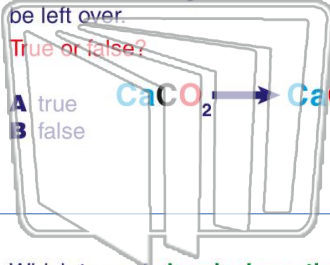
- A** true
- B** false





Name _____ Class _____ Date _____

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H	N
1.0079	14.007

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