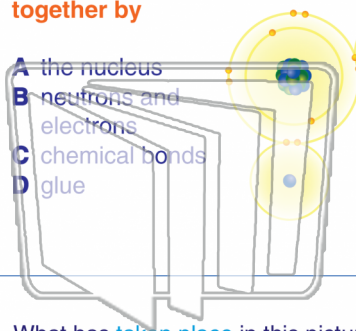




Name \_\_\_\_\_ Class \_\_\_\_\_ Date \_\_\_\_\_

1 **Atoms** in a molecule are **held together by**

- A the nucleus
- B neutrons and electrons
- C chemical bonds
- D glue



2 Which of the following represents a **balanced reaction**?

- A  $N_2 + H_2 \rightarrow 2NH_3$
- B  $NaCl \rightarrow 2Na + Cl_2$
- C  $2Mg + Cl_2 \rightarrow MgCl_2$
- D  $2K + Br_2 \rightarrow 2KBr$

3 What has **taken place** in this picture?

- A a chemical reaction



4 What is the **difference** between a **synthesis reaction** and a **decomposition reaction**?

- A A synthesis reaction has one product and a decomposition reaction has one reactant

5

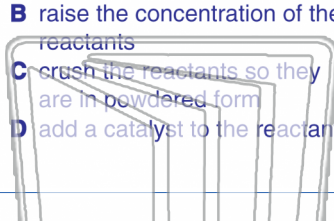


## PREVIEW

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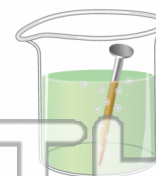
7

- A lower the temperature of the reactants
- B raise the concentration of the reactants
- C crush the reactants so they are in powdered form
- D add a catalyst to the reactants



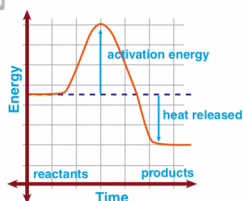
**active metal?**

- A synthesis
- B decomposition
- C single replacement
- D combustion



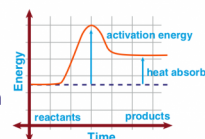
9 The graph below plots the **energy levels** of a **chemical reaction**. What is a **correct** statement for this reaction?

- A it is exothermic
- B it is endothermic
- C it is neither exothermic nor endothermic
- D it requires no activation energy



10 What evidence is there that this graph represents an **endothermic reaction**?

- A heat was released
- B heat was absorbed
- C the products finished with less energy than the reactants
- D the products finished with the same energy as the reactants

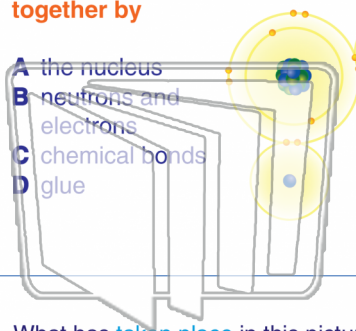




Name \_\_\_\_\_ Class \_\_\_\_\_ Date \_\_\_\_\_

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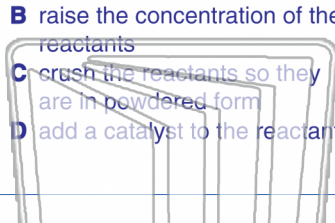


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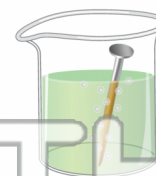
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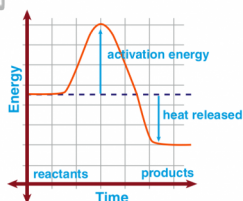
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