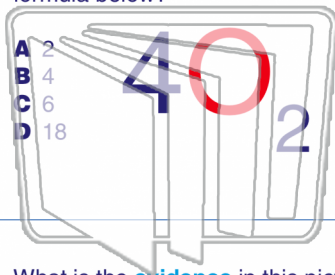




Name _____ Class _____ Date _____

1 How many **molecules of oxygen** are represented in the chemical formula below?



2 A student carefully strikes a match and it ignites. What is the **purpose of striking** (moving quickly) the match?

- A to provide a reactant
- B to soften the match
- C to provide activation energy
- D to add another reactant



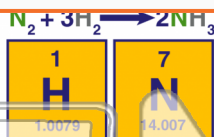
3 What is the **evidence** in this picture that a **chemical reaction** has occurred?

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

PREVIEW

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7 **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



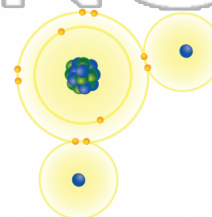
- represents
- A an endothermic reaction in which energy is absorbed.
 - B a synthesis reaction in which energy is released.
 - C an exothermic reaction in which energy is released.
 - D a reaction with no change in energy.

9 What are the **reactants** in the equation $\text{Pb} + \text{Cu}(\text{NO}_3)_2 \rightarrow \text{Cu} + \text{Pb}(\text{NO}_3)_2$?

- A Pb and $\text{Pb}(\text{NO}_3)_2$
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- D Pb and $\text{Cu}(\text{NO}_3)_2$

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

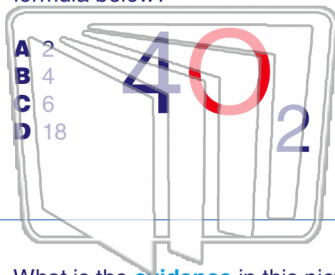
- A the nucleus
- B neutrons and electrons
- C chemical bonds
- D glue





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NEW PATH LEARNING

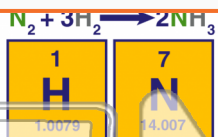
PREVIEW

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5

7

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