CONNECTICUT CHEMISTRY · UNIT 2 · 10 QUESTIONS

Bonding and Chemical Reactions — Practice Test

This practice test was made by AI and there may be mistakes. If a question or answer looks wrong, use the Flag a mistake button to let Brett know so he can fix it.

1 **Which statement about Single replacement is correct**

- A a reaction where two compounds exchange partners
- B a reaction with oxygen producing heat and light
- C a reaction where one element replaces another
- D a substance speeding a reaction without being used up

Understand It with Pulse | Flag a mistake

2 Which statement about Double replacement is correct

- A a reaction with oxygen producing heat and light
- B a substance speeding a reaction without being used up
- C the minimum energy needed to start a reaction
- D a reaction where two compounds exchange partners

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3 Which statement about Combustion is correct

- A a reaction with oxygen producing heat and light
- B a substance speeding a reaction without being used up
- C the minimum energy needed to start a reaction
- D a reaction releasing energy

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4 **Which statement about Catalyst is correct**

A the minimum energy needed to start a reaction

B a substance speeding a reaction without being used up

C a reaction releasing energy

D a reaction absorbing energy

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5 **Which statement about Activation energy is correct**

A a reaction releasing energy

B a reaction absorbing energy

C the minimum energy needed to start a reaction

D a solid formed in a solution during a reaction

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6 **A synthesis reaction combines 2 grams of hydrogen with 16 grams of oxygen in a simplified count. The total mass of reactants is**

ANSWER _____

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7 **A reaction starts with 50 grams of reactants. By conservation of mass, the products total**

ANSWER _____

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8 **Water has 2 hydrogen atoms per molecule. In 5 molecules, the number of hydrogen atoms is**

ANSWER _____

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9 **Methane has 4 hydrogen atoms per molecule. In 3 molecules, the number of hydrogen atoms is**

ANSWER _____

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10 **A compound has formula H_2O. In 10 molecules, the number of oxygen atoms is**

ANSWER

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ANSWER KEY

1.	C	**5.**	C	**9.**	12
2.	D	**6.**	18	**10.**	10
3.	A	**7.**	50		
4.	B	**8.**	10		

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