

C. all substances are in the same physical state

D. the sum of the coefficient on both sides is the same

Answer & Explanation

Answer: Option **A**

Explanation:

[View Answer](#) [Workspace](#) [Report](#) [Discuss](#) in Forum

5. Chemical reactions involve the participation of

A. electrons

B. protons

C. neutrons

D. nuclei

Answer & Explanation

Answer: Option **A**

Explanation:

[View Answer](#) [Workspace](#) [Report](#) [Discuss](#) in Forum

6. The symbolic representation of the molecule of a compound is called

A. structural formula

B. molecular formula

C. empirical formula

D. graphic formula

Answer & Explanation

Answer: Option **B**

Explanation:

[View Answer](#) [Workspace](#) [Report](#) [Discuss](#) in Forum

7. A chemical reaction occurs when the energy of the reacting molecules is

A. less than the activation energy of the reaction

B. equal to the activation energy of the reaction

C. more than the activation energy of the reaction

D. equal to or more than the activation energy of the reaction

Answer & Explanation

Answer: Option **D**

Explanation:

[View Answer](#) [Workspace Report](#) [Discuss in Forum](#)

8. The reaction $\text{CH}_2 = \text{CH}_2 + \text{Br}_2 \rightarrow \text{CH}_2\text{Br}-\text{CH}_2\text{Br}$ is

- A.** a substitution reaction
- B.** an addition reaction
- C.** a molecular rearrangement
- D.** a photochemical reaction

Answer & Explanation

Answer: Option **B**

Explanation:

[View Answer](#) [Workspace Report](#) [Discuss in Forum](#)

9. Reaction between neutral solution of barium chloride and sodium carbonate goes to completion because

- A.** the reaction is irreversible
- B.** sodium chloride is only sparingly soluble in water
- C.** barium carbonate is almost insoluble in water
- D.** the solubility of BaCl_2 decreases in the presence of sodium carbonate

Answer & Explanation

Answer: Option **C**

Explanation:

[View Answer](#) [Workspace Report](#) [Discuss in Forum](#)

10. A photochemical reaction is

- A.** catalysed by light
- B.** initiated by light
- C.** accompanied with emission of light
- D.** used to convert heat energy into light

Answer & Explanation

Answer: Option **B**

Explanation: