

Bond Energy and the Types of Reactions Exit Quiz

Select the best answer for each question.

1. In a chemical reaction, the energy can be transformed into...
 - a. Heat
 - b. Light
 - c. Sound
 - d. All of these
2. Energy stored in the bonds of molecules is called...
 - a. Thermal energy
 - b. Chemical potential energy
 - c. Kinetic energy
 - d. Electrical energy
3. Thermal energy is defined as
 - a. The energy stored in chemical bonds
 - b. The quantitative measure of whether a substance is hot or cold.
 - c. The kinetic energy possessed by the atoms or molecules of a substance.
 - d. The energy required to do work.
4. In a chemical reaction...
 - a. The bonds in the reactants break, releasing energy
 - b. The bonds in reactants break, absorbing energy
 - c. The bonds in the products form, releasing energy
 - d. The bonds in the products form, absorbing energy
5. The energy required to break a bond is called:
 - a. Bond length
 - b. Bond strength
 - c. Bond order
 - d. Bond energy