

# Bond Energy and the Types of Reactions

Exit Quiz –  
Teacher's Edition

Select the best answer for each question.

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

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