

Bond Energy and the Types of Reactions

Bell Ringer Activity – Teacher Edition

State whether the following statements are true or false. Correct the false statements to make them true.

1. Chemical reactions require energy
2. Heat energy is stored in the bonds of the reacting substances
3. All chemical reactions release heat energy.
4. The changes in energy in a chemical reaction can often be measured by a change in temperature.
5. There are two types of reactions, exothermic and endothermic reactions.

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State whether the following statements are true or false. Correct the false statements to make them true.

1. Chemical reactions require energy

True

2. Heat energy is stored in the bonds of the reacting substances

False - Chemical potential energy is stored in the bonds of the reacting substances

3. All chemical reactions release heat energy.

False – some chemical reactions release heat energy, while others absorb heat energy.

4. The changes in energy in a chemical reaction can often be measured by a change in temperature.

True

5. There are two types of reactions, exothermic and endothermic reactions.

True