

Name _____

Breaking the Bond: Understanding Chemical Bond Breakage

Short Answer

1. Explain the difference between covalent and ionic bonds in terms of electron sharing and transfer.
2. Describe the steps involved in the process of breaking a chemical bond.
3. Provide an example of a chemical reaction that occurs as a result of bond breakage, and explain how new substances are formed.
4. How can the release of energy during bond breakage be harnessed for practical applications?
5. In the context of biological processes, give an example of a biological function that relies on bond breakage and its importance.

