

Name _____

The Magical Connection: Understanding Chemical Bonds

Open-Ended Response Answer Key

1. (Student response may vary but should include the differences and similarities between covalent and ionic bonds, explaining how electrons are involved in each.)
2. (Student response may vary but should describe a real-life application of metallic bonds and their role in a specific metal's properties.)
3. (Student response may vary but should explain how the absence of chemical bonds would impact the formation of compounds and the stability of atoms.)
4. (Student response may vary but should explain the role of chemical bonds in everyday processes like cooking or digestion.)

