Name _____

Molecule Marvels: The Fascinating Concept of Resonance

Open-Ended Response Questions

1. Investigate and explain how resonance in molecules is represented using Lewis structures, and provide an example.

2. Explore the real-life applications of resonance in chemistry, such as in the development of pharmaceuticals or the study of polymers.

3. Discuss the limitations of resonance in representing the true structure of molecules, and explain why it is considered a simplified model.

4. Imagine a molecule with two resonance forms. Draw both resonance structures and explain how the movement of electrons between the atoms contributes to the stability of the molecule.

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