Name _____

Polarity Power: How It Shapes Molecule Magic

Open-Ended Response Questions

1. Consider a molecule with a polar covalent bond. Draw the molecule, indicating the partial positive and partial negative charges on the atoms, and explain why it is polar.

2. Discuss real-life examples where the solubility of substances is influenced by their polarity, and explain the implications of these examples.

3. Investigate and explain how the polarity of a molecule can affect its reactivity in chemical reactions, using specific examples.

4. Explore the role of polarity in biological processes and provide examples of how polar molecules interact with biomolecules in living organisms.

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