

Name _____

Polarity Power: How It Shapes Molecule Magic

Short Answer

1. Explain the concept of polarity in molecules and how it arises in covalent bonds.
2. Give an example of a polar molecule and a nonpolar molecule, and explain why one is polar and the other is nonpolar.
3. How does the polarity of water molecules contribute to their unique properties and importance in biological systems?
4. Describe the relationship between the polarity of a molecule and its solubility in a solvent.
5. Why is the ability to form hydrogen bonds a significant advantage for polar molecules in chemical interactions?

