

Name _____

Electrifying Bonds: Polar and Nonpolar Covalent Connections

Short Answer

1. Provide an example of a polar molecule and explain why it is polar.
2. Explain why oxygen gas (O₂) is considered a nonpolar molecule.
3. How does electronegativity difference between atoms affect the type of covalent bond formed?
4. List one property that is typical of polar molecules and one property typical of nonpolar molecules.
5. Describe the charge distribution within a nonpolar covalent bond.

