

Name \_\_\_\_\_

## Molecule Magic: How Shapes Matter in Chemistry

### Short Answer

1. Describe the concept of covalent bonds and how they contribute to molecule formation.
2. Provide an example of a molecule with a linear shape and explain why it has this shape.
3. How do non-bonding pairs of electrons influence the shape of a molecule? Give an example.
4. Explain the importance of molecule shape in biological processes.
5. How can knowledge of molecule shapes be useful in environmental science and chemistry?

