

Name _____

Element or Compound? Deciphering the Building Blocks of Matter

Short Answer

1. Provide an example of an element and its chemical symbol. Explain why it is considered an element.
2. Describe the main difference in composition between elements and compounds. Provide an example of a compound and the elements it contains.
3. How does the atomic number of an element help scientists identify and distinguish different elements?
4. Explain the difference between covalent and ionic bonds in compounds, including how electrons are involved.
5. Explore the importance of the periodic table in organizing elements and helping scientists understand their properties.

