

Name _____

Unlocking the Secrets of Atoms: Building Blocks of the Universe

Short Answer

1. Explain why atoms are considered electrically neutral and how this neutrality is achieved.
2. Describe the role of the atomic number in identifying an element and provide an example.
3. Define isotopes and explain how they differ from atoms of the same element.
4. How do atoms combine to create molecules and compounds, and what is an example of such a combination?
5. Why are atoms important in our understanding of the physical world, chemistry, and technological advancements?

