

Name _____

Exploring the Marvelous World of Atoms

Open-Ended Response Questions

1. Why is it important to understand the structure of an atom in chemistry and science in general?
2. Describe the similarities and differences between protons and neutrons in the nucleus.
3. How does the arrangement of electrons in an atom's electron shells contribute to its chemical properties and reactivity?
4. Give an example of an ion and explain how it forms, including the role of gaining or losing electrons.

