

Name - _____

Start time - __ : __

End time - __ : __

Explain how the number of protons, neutrons, and electrons determines the identity and properties of an element.

Compare and contrast the plum pudding model, the nuclear model, and the Bohr model of the atom.

Describe the modern understanding of atomic structure, including the concept of electron energy levels and orbitals.

Explain the significance of the periodic table in predicting the properties of elements and in understanding chemical reactions.

Explain the factors that contribute to these trends and their implications for chemical behavior.

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