

Atomic Structure Worksheet for Practice

Multiple Choice:

Which model of the atom is known as the "planetary model"?

- A. Dalton's model
- B. Thomson's model
- C. Rutherford's model
- D. Bohr's model

Which particle determines the identity of an element?

- A. Proton
- B. Neutron
- C. Electron

Fill-in-the-Blanks:

- The number of protons in an atom is called the _____.
- Atoms with the same number of protons but different numbers of neutrons are called _____.
- Electrons orbit the nucleus in specific areas called _____ levels.

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1) Which model of the atom is known as the "planetary model"?

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2) Which particle determines the identity of an element?

- A. Proton
- B. Neutron
- C. Electron

Fill-in-the-Blanks:

- The number of protons in an atom is called the **atomic number**.
- Atoms with the same number of protons but different numbers of neutrons are called **isotopes**.
- Electrons orbit the nucleus in specific areas called **energy** levels.