

Name: _____

Date: _____

7TH GRADE ATOMIC STRUCTURE WORKSHEET

True or False:

- Electrons have a positive charge. (_____)
- Atoms are mostly empty space. (_____)
- Neutrons have a greater mass than electrons.
(_____)
- All isotopes of an element have the same
chemical properties. (_____)
- The electron cloud is where the nucleus is located.
(_____)

Fill in the Blanks:

- The tiny core at the center of an atom is called the
_____.
- _____ are variations of the same element that
have the same number of protons but a different
number of neutrons.
- An element's chemical properties are mostly
determined by its _____.
- A _____ is an atom or molecule with a net
electric charge due to the loss or gain of one or
more electrons.

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7TH GRADE ATOMIC STRUCTURE WORKSHEET ANSWER KEY

True or False:

- Electrons have a positive charge. (**False**)
- Atoms are mostly empty space. (**True**)
- Neutrons have a greater mass than electrons. (**True**)
- All isotopes of an element have the same chemical properties. (**True**)
- The electron cloud is where the nucleus is located. (**False**)

Fill in the Blanks:

- The tiny core at the center of an atom is called the **nucleus**.
- **Isotopes** are variations of the same element that have the same number of protons but a different number of neutrons.
- An element's chemical properties are mostly determined by its **electrons**.
- A **ion** is an atom or molecule with a net electric charge due to the loss or gain of one or more electrons.