

What is an atomic number?

Lesson Review

Write *true* if the statement is true. If the statement is false, change the underlined term to make the statement true. Write your answers in the spaces provided.

- _____ 1. Each element has a different atomic number.
- _____ 2. An atom of gold is made up of fewer protons than an atom of oxygen.
- _____ 3. In an atom, the number of protons is greater than the number of electrons.
- _____ 4. Hydrogen has an atomic number of 79.
- _____ 5. The number of electrons found in the nucleus of an atom is that element's atomic number.
- _____ 6. An atom has no overall electric charge.
- _____ 7. In an atom, the charges of the electrons are cancelled by the charges of the protons.
- _____ 8. The atomic number of oxygen is 8.
- _____ 9. The element with the smallest atomic number is helium.
- _____ 10. No two elements have the same atomic number.

Skill Challenge

Skills: *interpreting a table, analyzing*

Complete the following table.

Element	Atomic Number	Number of Electrons
1.	2.	82
3.	11	4.
5.	6.	29
Gold	7.	8.
9.	16	10.