

Atomic Structure Quiz

1. Matter is:

- A. Only solid material
- B. Only liquid
- C. Anything that takes up space
- D. Never in the form of a gas

2. What is the Periodic Table?

- A. A table showing all 118 different types of Atoms
- B. A table showing the different types of matter
- C. A table showing only types of conductor Atoms
- D. A table not including insulator Atoms

3. The center of an Atom is called the:

- A. First Shell
- B. Core
- C. Nucleus
- D. DNA

4. The outer shell electrons are:

- A. Valence electrons
- B. Free electrons
- C. Orbital electrons
- D. Conduction band electrons

5. The Atomic Number of an Atom is the number of:

- A. Neutrons
- B. Shells
- C. Protons
- D. Valence electrons

6. Energy Bands are also called:

A. Electrons

B. Shells

C. Regions

D. Clouds

7. The Valence shell can have a maximum of how many electrons:

A. None only Protons

B. Four

C. 16

D. Eight

8. How many electrons can be in the K shell?

A. Up to eight

B. Up to two

C. There is no limit

D. The same number that are in the valence shell

9. A Proton's electrostatic field is:

A. Positive

B. Negative

C. Neutral

D. Stronger than an electron's electrostatic field

10. The unit of measure for electrostatic charge is the:

A. Volt

B. Ohm

C. Coulomb

D. Ampere

11. Like charges

- A. Attract each other
- B. Build-up in conductors
- C. Are stronger than unlike charges
- D. Repel each other

12. Conductor atoms have how many valence electrons?

- A. Less than four
- B. More than four
- C. Four
- D. More than eight

13. A charged Atom is called:

- A. A conductor
- B. An Ion
- C. An Insulator
- D. A Semiconductor

14. Voltage is:

- A. Current Flow
- B. Electrons in motion
- C. Opposition to current
- D. Electrical Pressure