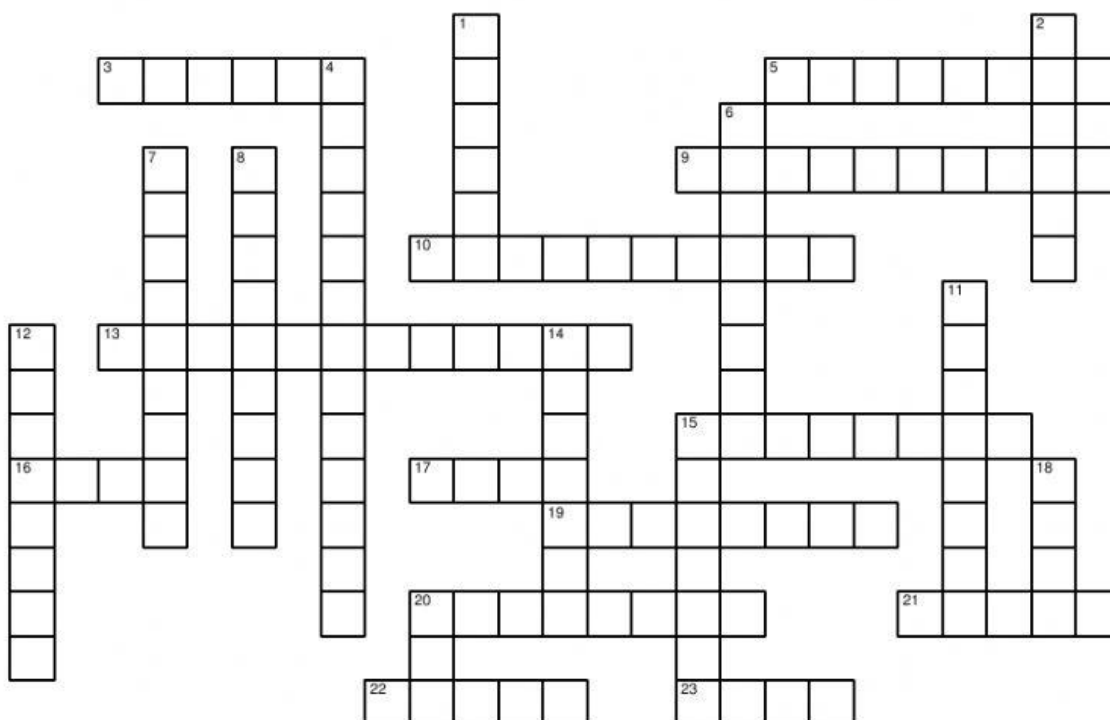


:::PUZZLE :::

ATOM, MOLECULES AND ION



Across

3. Subatomic particle in nucleus of an atom.
5. _____ ions tend to gain electrons to form anions.
9. _____ ion is an ion containing a number of atoms.
10. When an atom or molecule gains electrons, it becomes _____ charged.
13. Number of protons in the nucleus of each atom of an element.
15. The number of _____ in atoms of the same element can vary.
16. Most of the _____ of the atom is due to the nucleus.
17. The smallest particles of an element that can participate in a chemical reaction.
19. Subatomic particle which moves around the nucleus of an atom within an electron shell.
20. Same number of protons but number of neutrons.
21. _____ prefixes are used to indicate the number of atoms.
22. A negatively charged ion.
23. An ionic compound made up of cation and anion.

Down

1. Most of the _____ of the atom is due to electrons.
2. Positively charged ions are called _____.
4. Total number of protons and neutrons present in the nucleus of an atom of an element.
6. Atoms of different elements combine to form _____.
7. The number of grams per mole of a compound or element.
8. Atoms are composed of _____ particles.
11. The majority of chemistry involves the _____ of electrons between species.
12. All atoms of a given element are identical, having the same size, mass and _____ properties.
14. An _____ is a substance composed of atoms with identical atomic number.
15. The structure at the center of an atom, consisting of proton and neutron.
18. Metal atoms tend to _____ electrons to become cations.
20. Formed from a neutral atom or molecule where number of protons and electrons are unbalanced.