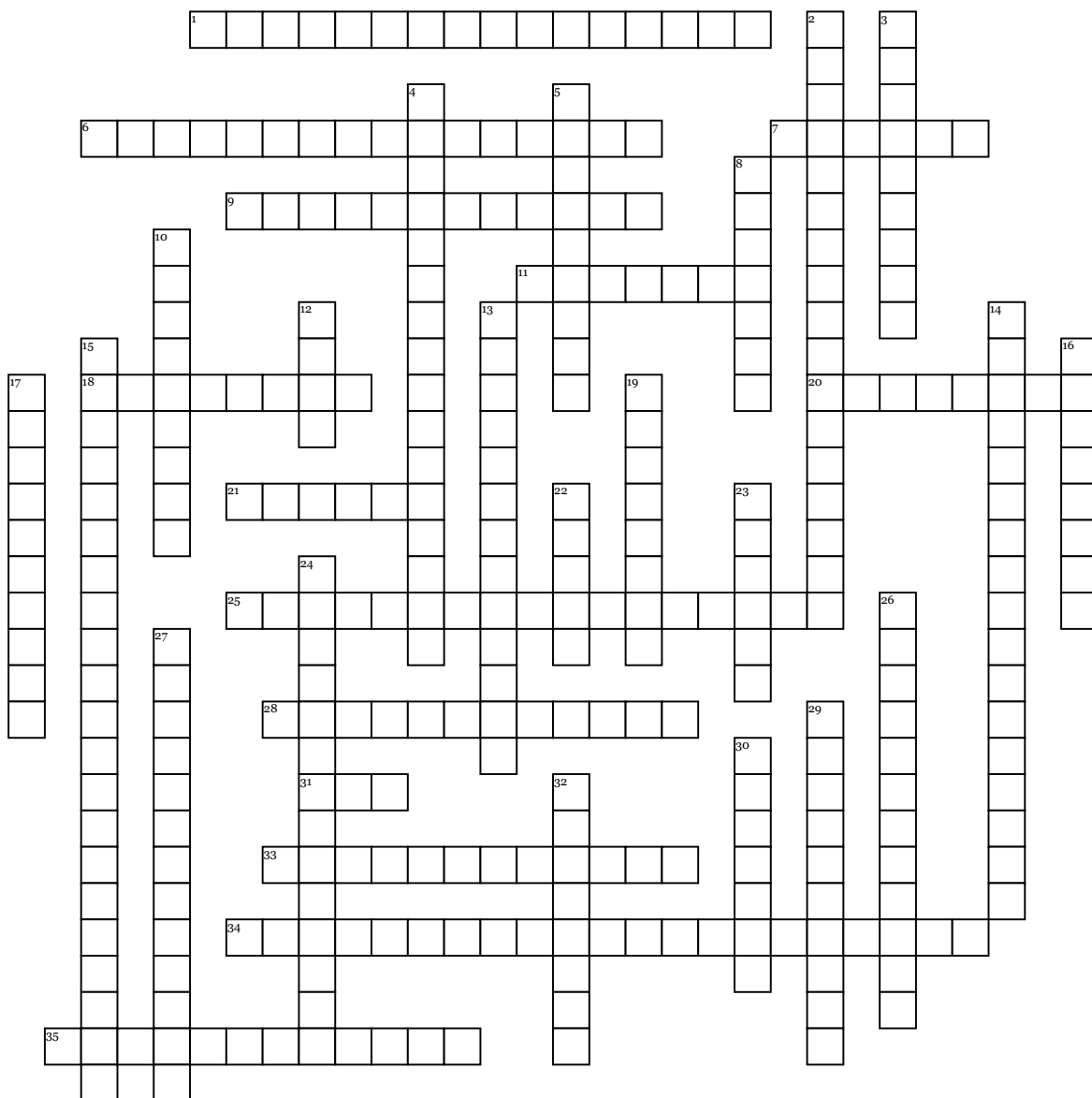


Chemistry Vocabulary Quarter 1



Across

1. Number of electrons in the most outer shell
6. Two atoms share a pair of electrons with each other
7. Positive charged ion
9. They are the metals found in Group 1
11. Composed of atoms that have the same atomic number
18. Negative electric charge
20. They only need 1 more electron to become full
21. Positive electric charge
25. An element is the sum of the masses of its isotopes, each multiplied by its natural abundance
28. Sharing of electron pairs between atoms
31. An electrically charged atom or group of atoms formed by the loss or gain of one or more electrons
33. The number of protons in the nucleus of an atom

34. Distribution of electrons of an atom or molecule in atomic or molecular orbitals
 35. Electronegativities based on bond-energy calculations for different elements joined by covalent bonds
- ## Down
2. Metals found in Group 2
 3. When one atom gives up one or more electrons to another atom
 4. Energy required to remove an electron
 5. Element whose properties are intermediate between those of metals and solid nonmetals
 8. Same mass as a proton but no electric charge
 10. Chemical element that lacks the characteristics of a metal and that is able to form anions, acidic oxides, acids, and stable compounds with hydrogen
 12. Basic unit of a chemical matter
 13. Pair of electrons are unequally shared between two atoms
 14. Energy to gain an electron

15. Shows the bonding between atoms of molecules and their lone pairs
16. Equal numbers of protons but different number of neutrons
17. Total number of protons and neutrons
19. Consisting of two atoms
22. Negativity charged ion
23. Chemical element that is an effective conductor of electricity and heat
24. Includes electronegativity, ionization energy, and atomic radius
26. Chemical element measure based on size of atom
27. Table of the chemical elements arranged in order of atomic number
29. They cannot gain anymore electrons
30. Positive charge center of an atom
32. Substance formed when two or more chemical elements are chemically bonded together