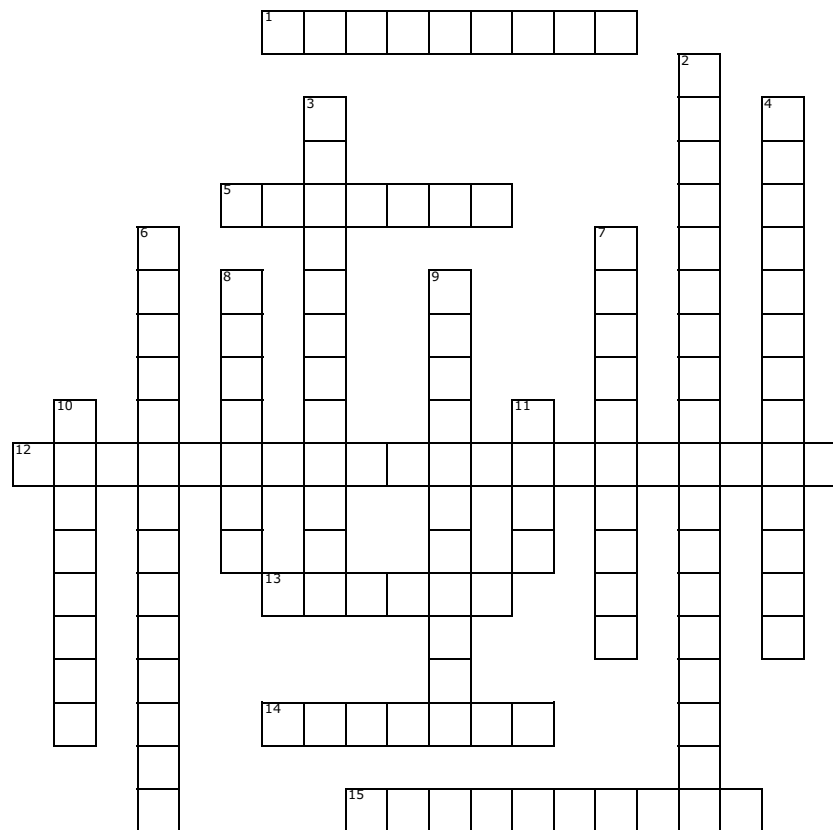


Atomic Structure Crossword Puzzle



Across

- 1.** Plays in radioactive atoms that changes a neutron to a proton or electron.
- 5.** An atom that has the same number of protons/atomic number as other atoms of the same element do but that has a different number of neutrons/atomic mass.
- 12.** A type of physical that occurs between electrically charged particles.
- 13.** A subatomic particle that has a positive charge and that is found in the nucleus of an atom.
- 14.** An atom's central region, which is made up of protons and neutrons.
- 15.** The sum of the number of protons and neutrons in the nucleus of an atom.

Down

- 2.** A force that attracts any objects with mass.
- 3.** The number of protons in the nucleus of an atom; the atom's number is the same for all atoms of an element.
- 4.** A region around the nucleus of an atom whose electrons are likely to be found.
- 6.** A unit of mass that describes the mass of an atom or molecule.
- 7.** The mass of an atom expressed in atomic mass units.
- 8.** A subatomic particle that has no charge and that is found in the nucleus of an atom.
- 9.** The force that holds particles together in the atomic nucleus.
- 10.** A subatomic particle that has a negative charge.
- 11.** The smallest unit of an element that maintains the properties of that element.