

# 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.

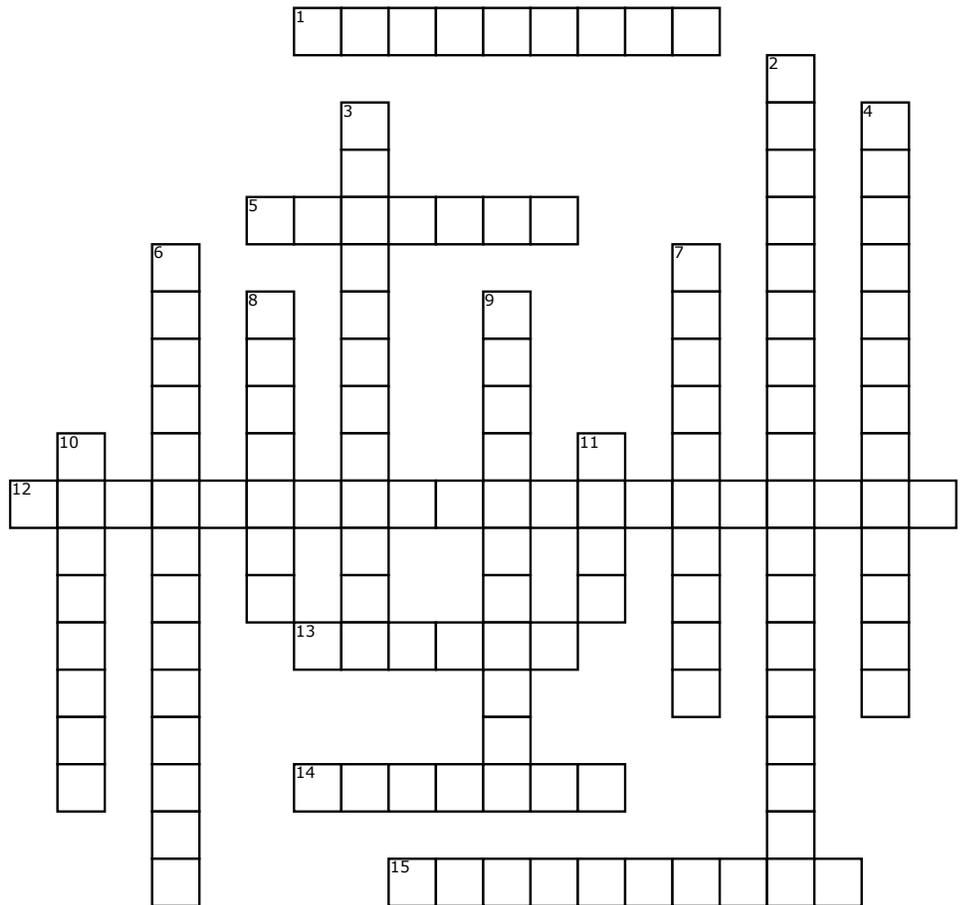
## Down

**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.

