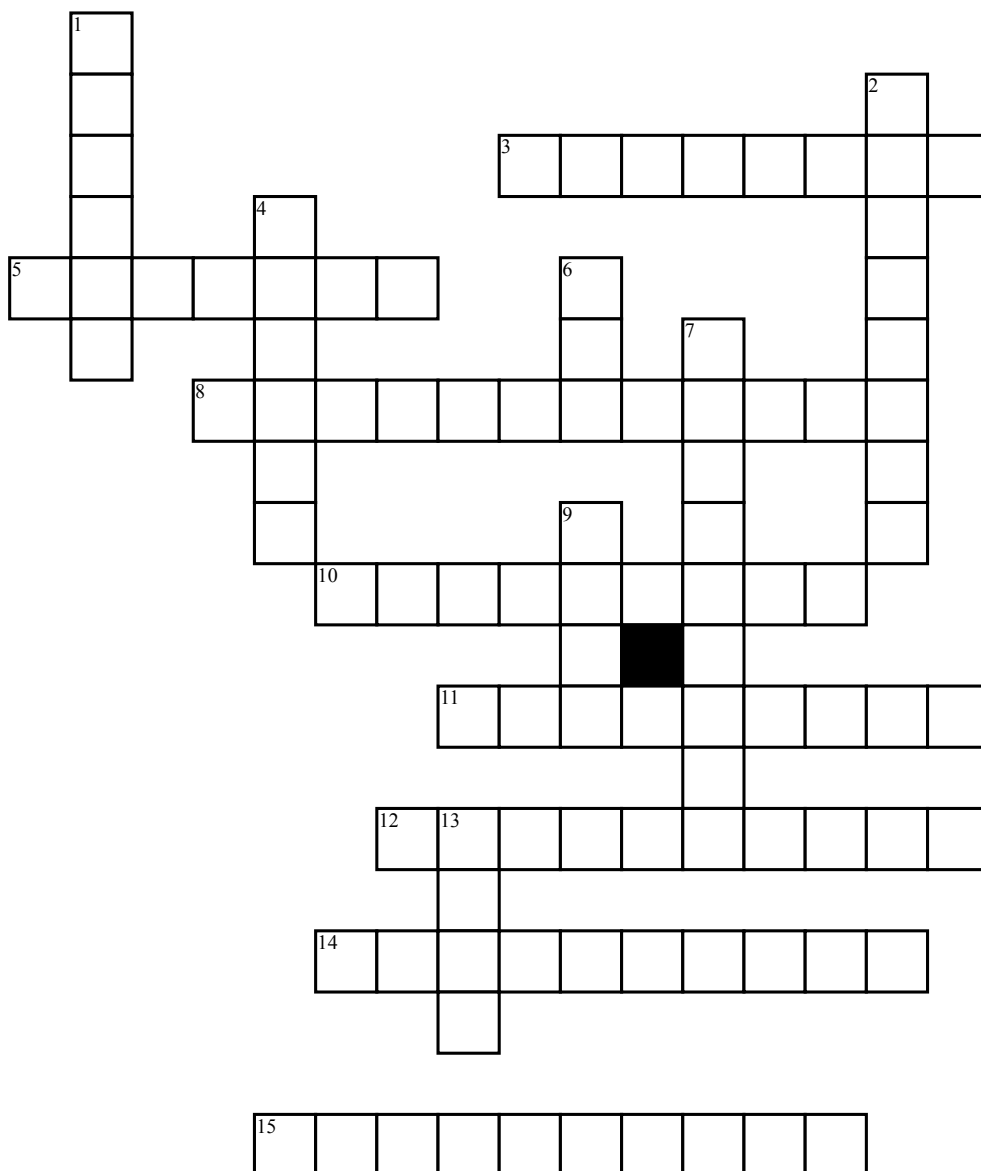


Chemistry



Across

- 3.** A group of atoms bonded together.
- 5.** A subatomic particle of about the same mass as a proton.
- 8.** The number of protons in the nucleus of an atom.
- 10.** The emission of energy as electromagnetic waves or as moving subatomic particles.
- 11.** The rate at which something occurs or is repeated over a particular period of time.

- 12.** The distance between successive crests of a wave.
- 14.** The mass of an atom of a chemical element expressed in atomic mass units.
- 15.** He discovered the atomic nucleus and proposed a nuclear model of the atom.

Down

- 1.** Physical substance in general.

- 2.** A stable subatomic particle with a charge of negative electricity.
- 4.** A stable subatomic particle occurring in all atomic nuclei.
- 6.** Forming nouns denoting verbal action.
- 7.** The maximum extent of a vibration or oscillation.
- 9.** A long body of water curling into an arched form.
- 13.** The basic unit of a chemical element.