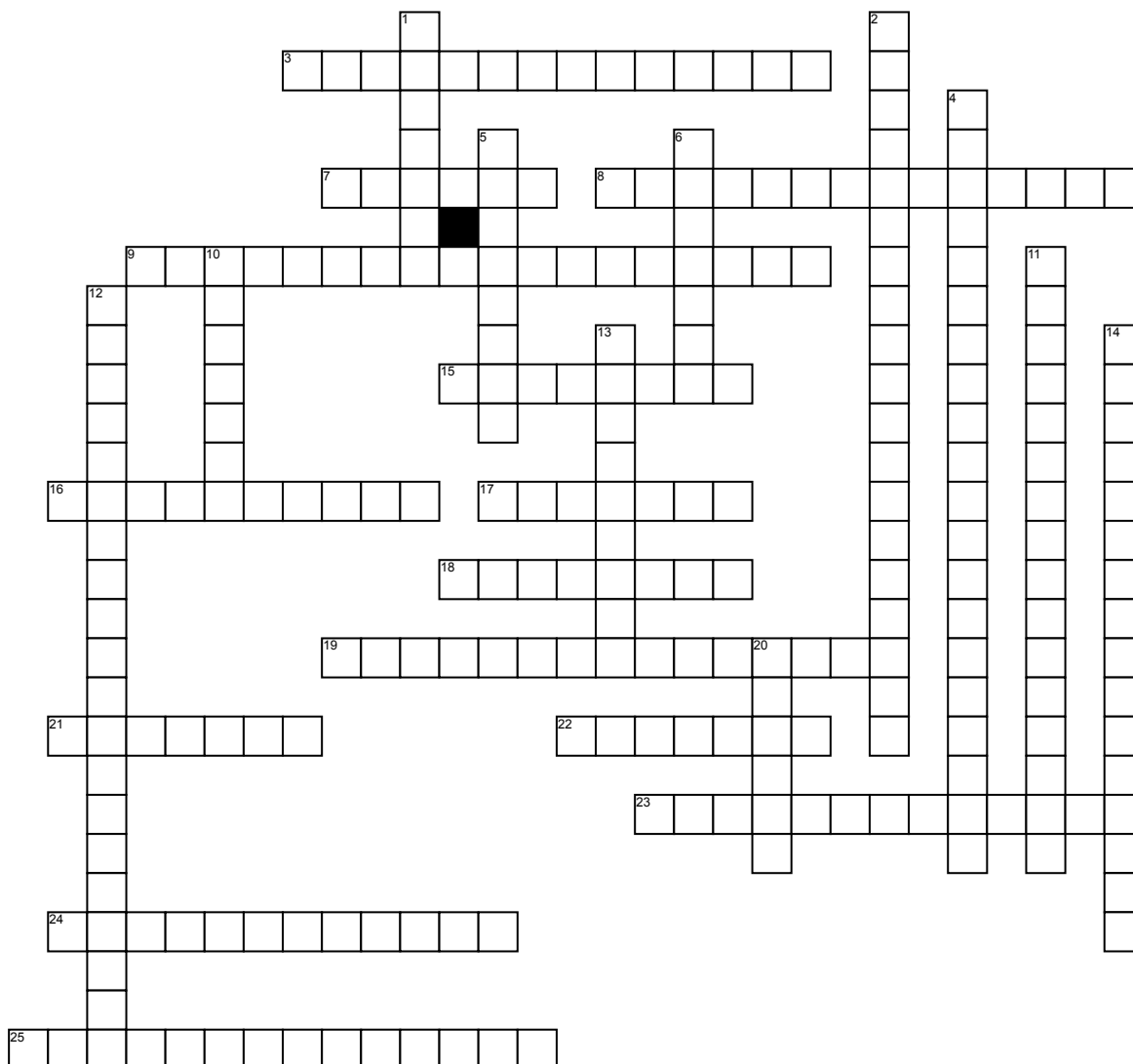


# Chemistry Unit Vocabulary List



## Across

**3.** A change in which the composition of the substance remains unaltered and no new substances are produced.

**7.** A positively charged particle in the atoms nucleus.

**8.** A column of elements with similar properties on the periodic table.

**9.** A material system made up of two or more different substances which are mixed but are not combined chemically.

**15.** A pure substance that is composed of two or more different elements that are chemically joined

**16.** An element in group eighteen of the periodic table.

**17.** A pure substance that cannot be broken down into a simpler chemical substance by any physical or chemical means.

**18.** A negatively charged particle in an atom.

**19.** A notation that indicates the type and number of atoms in a pure substance.

**21.** This is the centre of the atom.

**22.** The state or quality of being clear; transparency.

**23.** A substance that is made up of only one type of particle.

**24.** The number of protons in an atoms nucleus.

**25.** A change in the starting substances and the production of one or more new substances.

## Down

**1.** An atom with the same number of protons but a different number of neutrons.

**2.** An element in group two of the periodic table.

**4.** A property of a substance that is measured and has a numerical value, such as temperature, height and mass.

**5.** A uniform mixture of two or more substances.

**6.** A neutral particle in the atoms nucleus.

**10.** A substance that is made up of atleast two different types of particles.

**11.** An electron that is associated with an atom, and that can participate in the formation of a chemical bond; in a single covalent bond, both atoms in the bond contribute one valence electron in order to form a shared pair.

**12.** A mixture in which you can distinguish between different types of matter.

**13.** An element usually a gas or a dull powder solid that does not conduct heat or electricity.

**14.** A characteristic of a substance that is determined when the composition of the substance is changed in one or more new substances are produced.

**20.** The common definition of matter is anything that has both mass and volume.