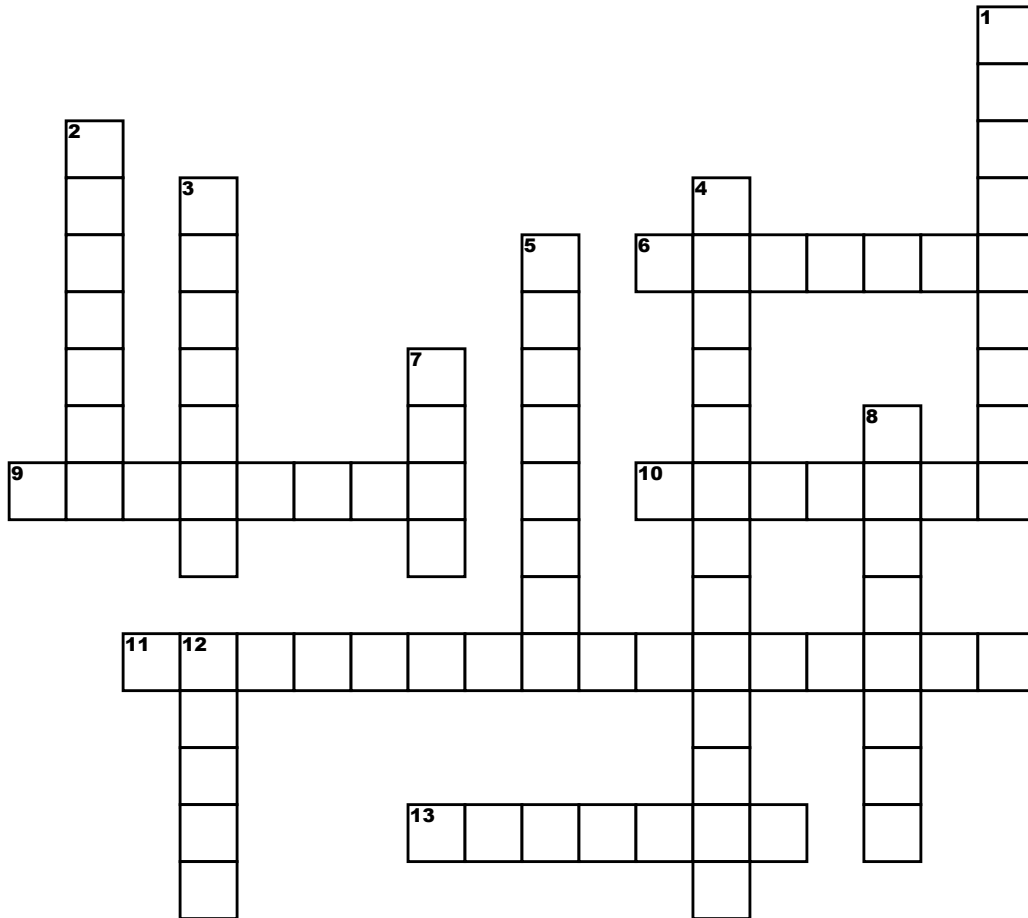


Vocabulary: Atom Structure



Across

- 6.** a pure substance that cannot be broken down, made of only one type of element
- 9.** subatomic particles found in the nucleus with no charge
- 10.** subatomic particles found in the nucleus with a positive charge
- 11.** electrons found in an atom's outermost energy level

- 13.** central region of an atom, which is made up of protons and neutrons

Down

- 1.** subatomic particles found outside the nucleus with a negative charge
- 2.** two or more substances that are mixed but not chemically
- 3.** amount of mass in a given volume

- 4.** area outside of nucleus occupied by electrons
- 5.** two or more elements covalently bonded together
- 7.** the amount of matter in an object
- 8.** a substance made up of more than one type of element, that is chemically combined
- 12.** smallest unit of an element that maintains the chemical properties of that element

Word Bank

- | | | | |
|-----------------------|-----------------|-----------------|--------------------------|
| Electron Cloud | mixture | Atoms | element |
| protons | nucleus | neutrons | valence electrons |
| electrons | Compound | Density | molecule |
| mass | | | |