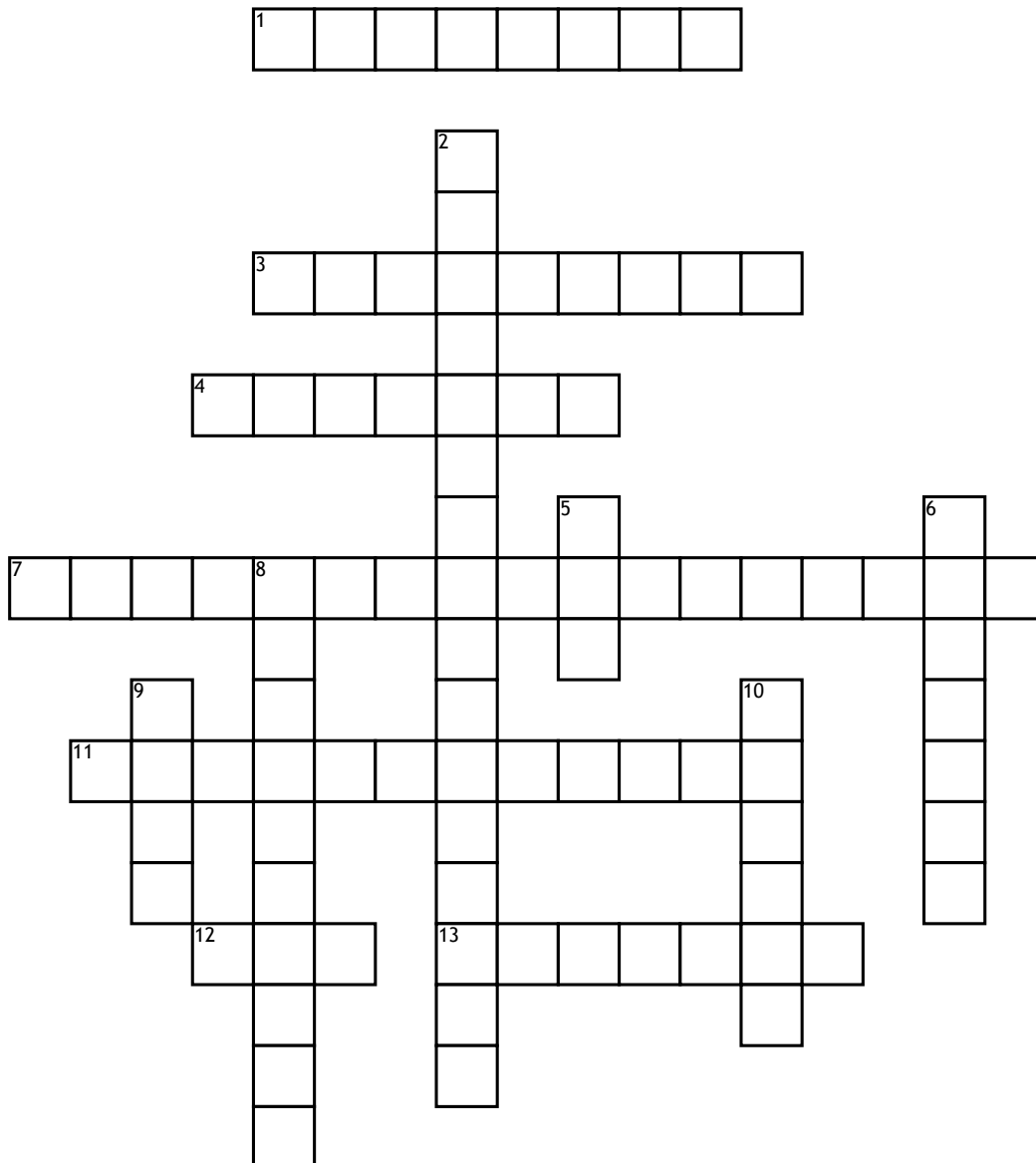


Name: _____

Date: _____

Vocab 2



Across

- 1. is a stable negatively charged component of an atom
- 3. depicts the atom as a small, positively charged nucleus surrounded by electrons that travel in circular orbits around the nucleus
- 4. the positively charged central core of an atom, consisting of protons and neutrons and containing nearly all its mass.
- 7. the sum of the masses of its isotopes, each multiplied by its natural abundance
- 11. the number of protons in the nucleus of an atom, which determines the chemical properties of an element and its place in the periodic table.

12. Atomic mass unit

13. is the particle in the atomic nucleus with a mass (Links to an external site.)Links to an external site. = 1 and charge = 0.

Down

- 2. amount of all the natural occurring isotopes of the element. It is used to find the average atomic mass of the element.
- 5. When an atoms outermost orbital gains or loses an electron the atom forms a
- 6. Are atoms with the same number of protons

8. the mass of an atom of a chemical element expressed in atomic mass units. It is approximately equivalent to the number of protons and neutrons in the atom

9. is the defining structure of an element (Links to an external site.)Links to an external site., which cannot be broken by any chemical means.

10. is a component of an atomic nucleus with a mass (Links to an external site.)Links to an external site. defined as 1 and a charge of +1.