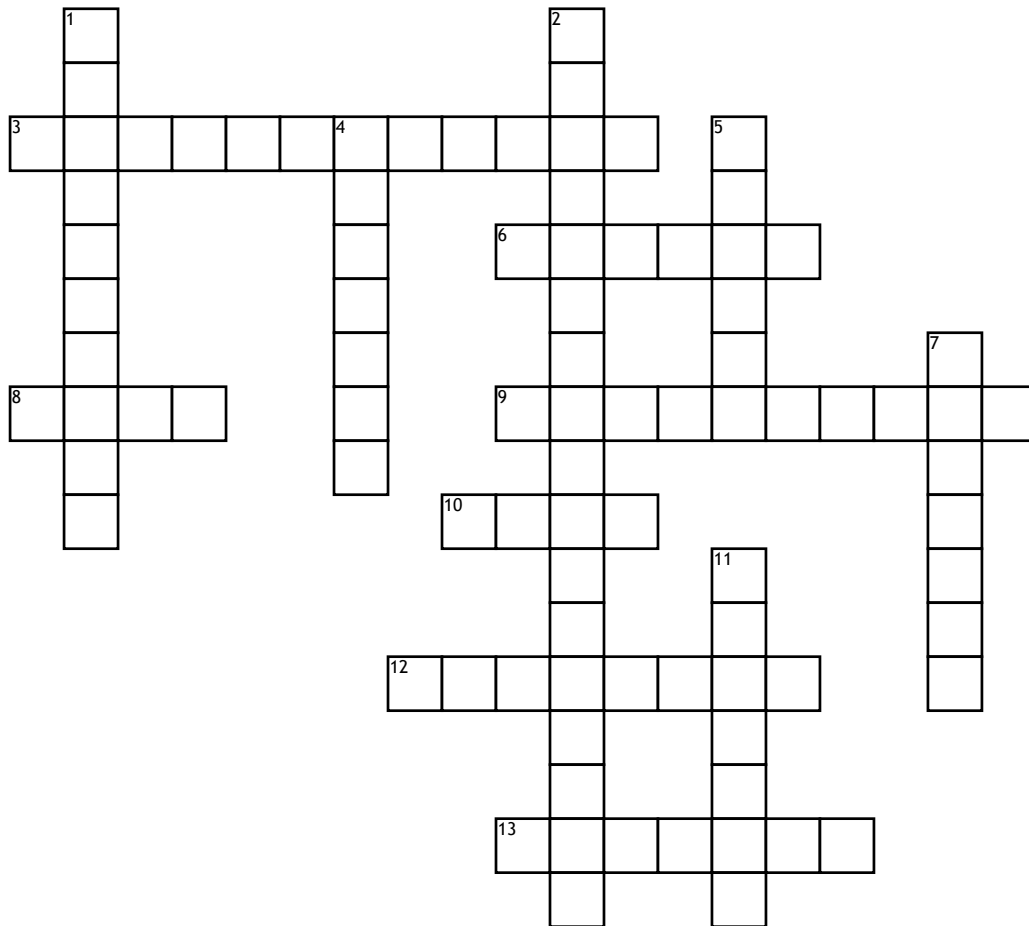


Name: _____

Date: _____

Atomic Theory History and Vocab. Review



Across

3. The number of protons in the nucleus of an atom of an element.

6. Who created the Atomic Theory in 1803?

8. Who created a model of atoms that includes electrons orbiting a small nucleus in 1913?

9. The total number of protons and neutrons in the nucleus of an atom.

10. A unit of matter, the smallest unit of an element, having all the characteristics of that element.

12. A subatomic particle with a negative electrical charge, found outside the nucleus of an atom.

13. Any of the several different forms of an element each having different mass numbers.

Down

1. Who performed the gold foil experiment in 1909, which lead to the conclusion that atoms are mostly empty space?

2. An abundance-weighted average of the masses of all the isotopes of an element.

4. The positively charged central region of an atom, composed of protons and neutrons and containing almost all of the mass of the atom.

5. A subatomic particle with a positive electrical charge, forming part of the nucleus of an atom.

7. A subatomic particle with a neutral electrical charge, forming part of the nucleus of an atom.

11. Who used to cathode ray tube to discover the presence of electrons in 1898?

Word Bank

Isotope

Dalton

Atomic Number

mass number

Atom

Rutherford

Bohr

Nucleus

Neutron

Proton

Thomson

Electron

average atomic mass