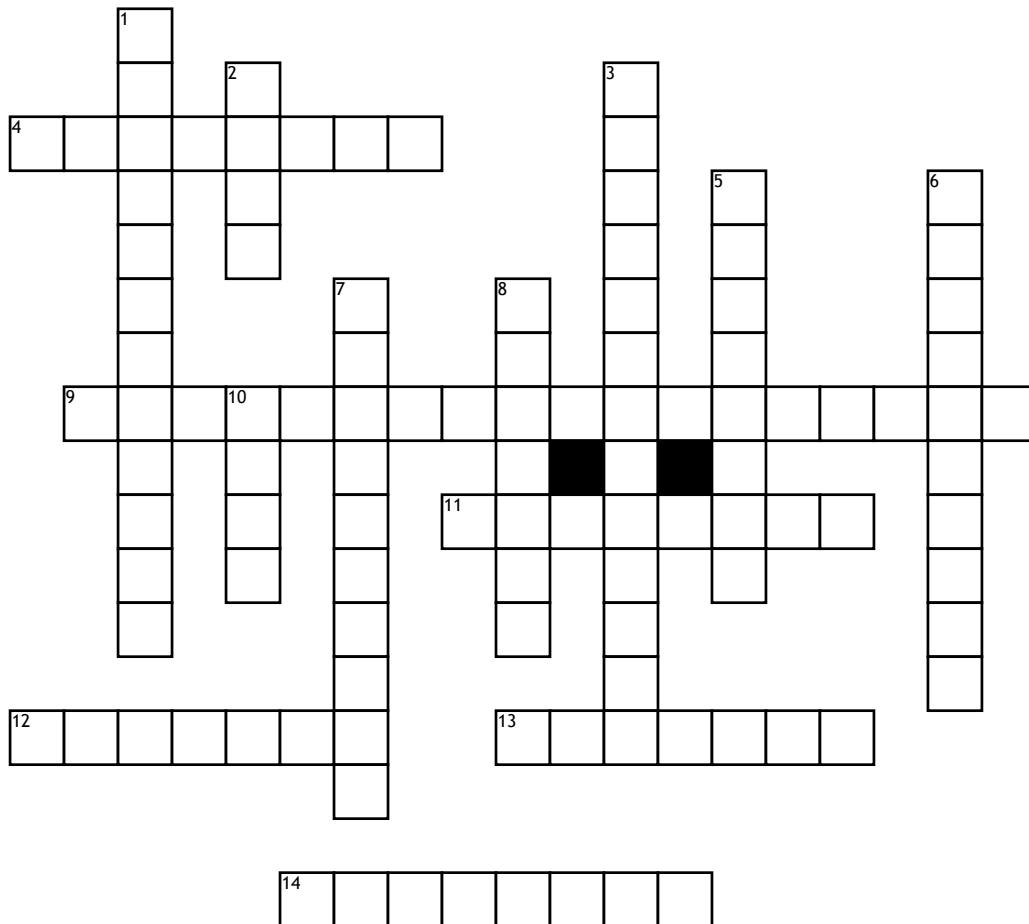


Name: _____

Date: _____

Atomic Structure



Across

4. An element that has varying number of neutrons
 9. What are protons, neutrons and electrons referred to as?
 11. The subatomic particle that is neutral
 12. The positive charge of an atom.
 13. A group of the same atom

14. What is it called when two or more elements are chemically combined in a reaction

Down

1. The number of Protons and Electrons
 2. In 1913 _____ invented the nuclear model.
 3. What consists of two protons and two neutrons.

5. The negative charge of an atom, found in electron shells.
 6. The man who discovered the nucleus of an atom by conducting the 'Gold Leaf' experiment
 7. The number that is created when Protons and Neutrons are added together
 8. The central part of an Atom
 10. What makes up everything?

Word Bank

- | | | | |
|----------|----------------|---------------------|------------|
| Electron | Alpha Particle | Compound | Nucleus |
| Element | Bohr | Atomic Mass | Neutrons |
| Isotopes | Atomic Number | Subatomic Particles | Rutherford |
| Atom | Protons | | |