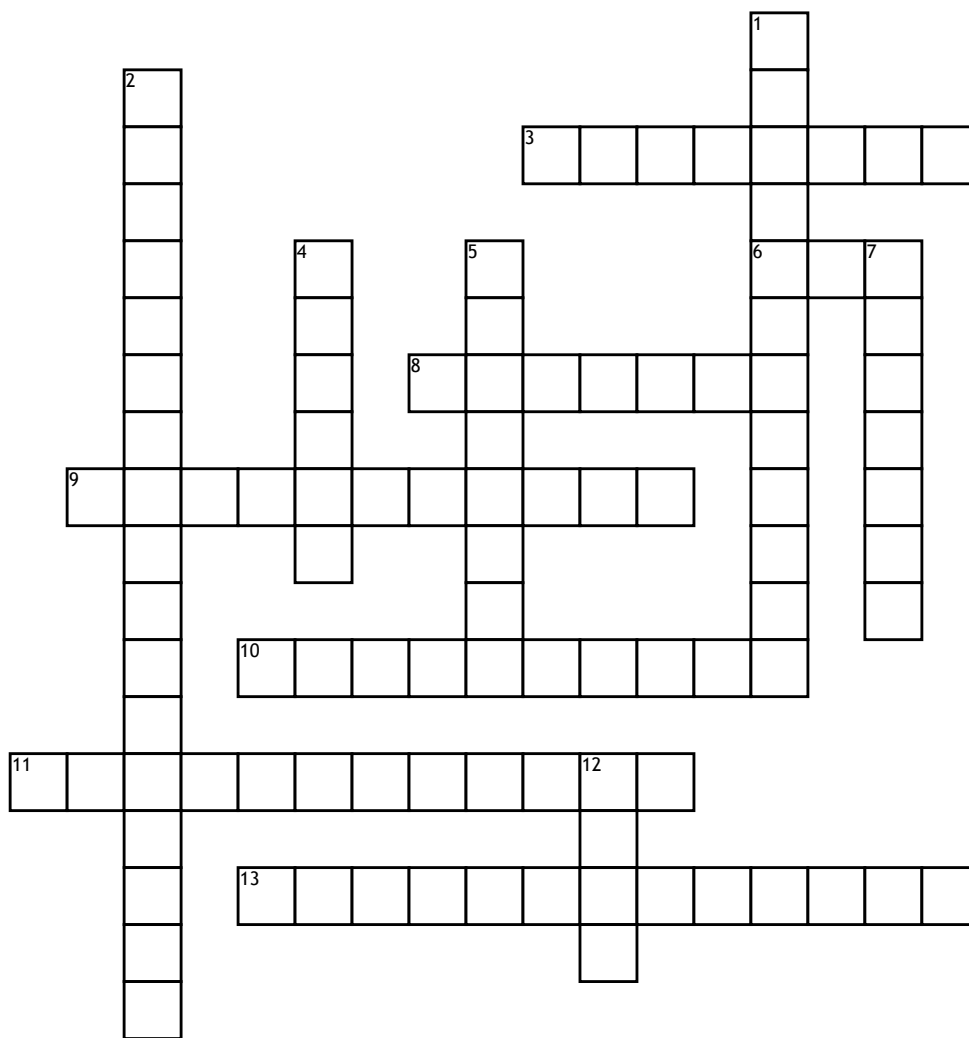


Name: _____

Date: _____

Atoms



Across

3. Atoms of the same element that have different numbers of neutrons.

6. An atom that is no longer neutral because it has gained or lost electrons.

8. A neutral particle that exists in the nucleus of an atom.

9. Elements that spontaneously emit radiation.

10. The number of protons and neutrons in an atom.

11. The process that occurs when an unstable atomic nucleus changes into another more stable nucleus by emitting radiation.

13. An area around an atomic nucleus where an electron is most likely to be located.

Down

1. The number of protons in an atom of an element.

2. The average mass of the element's isotopes.

4. An atomic particle that has one positive charge.

5. A particle with one negative charge.

7. A small area in the center of the atom that contain most of it's mass and positive charge.

12. The smallest piece of an element that still represents that element.

Word Bank

radioactive

proton

average atomic mass

atom

neutron

electron

isotopes

ion

atomic number

mass number

nuclear decay

electron cloud

nucleus