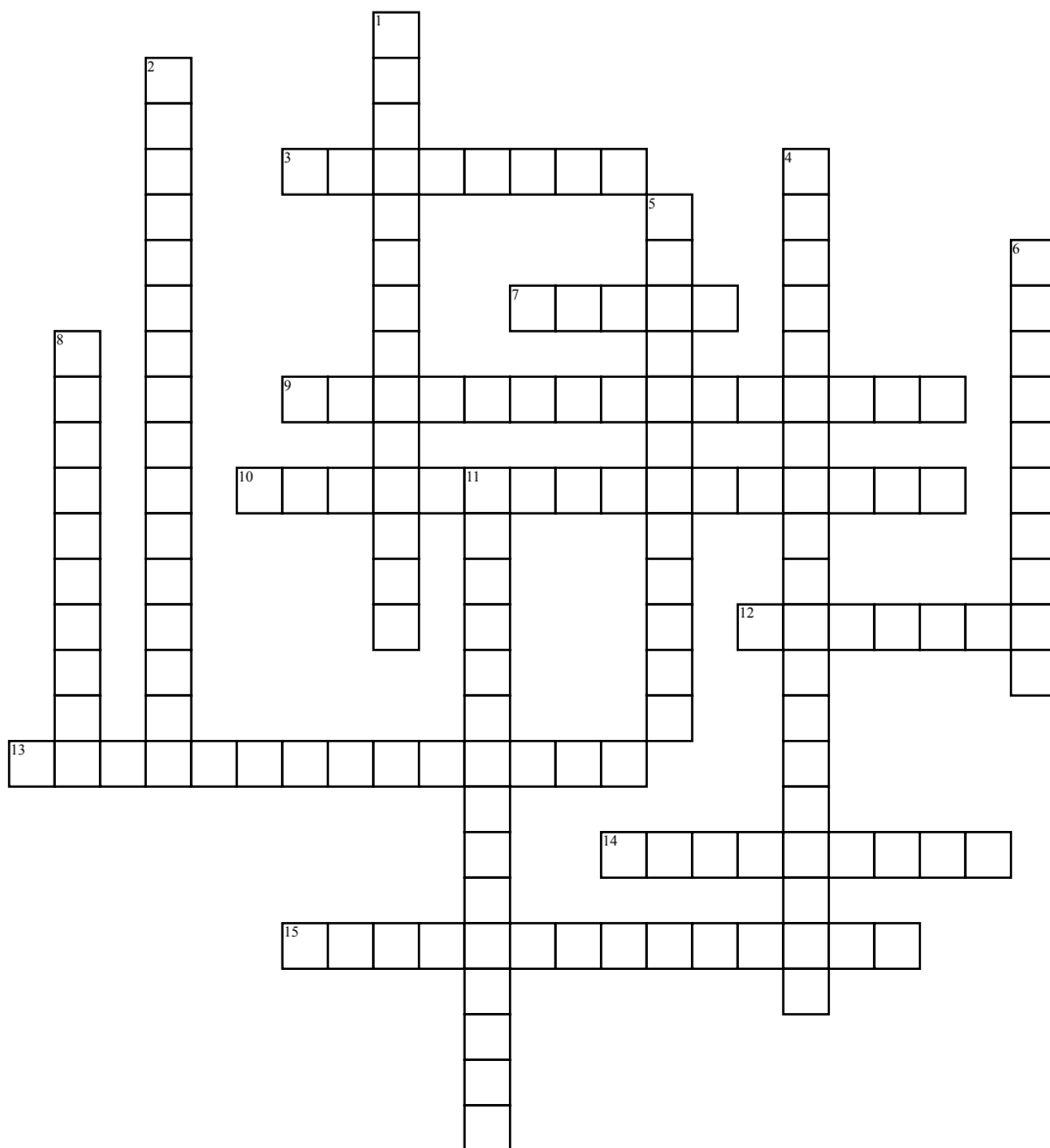


Name: _____

Date: _____

Chem Crossword 3



Across

3. A substance formed from two or more elements chemically united in fixed proportions

7. Any ion with a negative charge

9. the configuration (order of filling) of the s, p, d, and f orbitals; electrons fill the lowest energy levels first

10. A characteristic of a pure substance that describes how it interacts with other substances

12. Positively charged subatomic particles

13. A change that alters a substance without changing its chemical composition or its identity

14. Elements other than transition metals tend to react so that each atom has eight electrons in its outer (valence) shell; i.e. orbitals are full

15. in a 3D non-symmetrical molecule, the unequal sharing does NOT cancel out, so that there is partial positive area and a partial negative area

Down

1. A group of elements with similar chemical properties

2. between the group 2 and group 3 elements

4. Group 2 elements

5. A measure of the size of an atom of an element from the nucleus to the outer electrons

6. Comprised of the mass of the protons and neutrons of an atom

8. The length between successive peaks (or troughs) of a wave

11. the kind and number of atoms in a representative unit of a substance