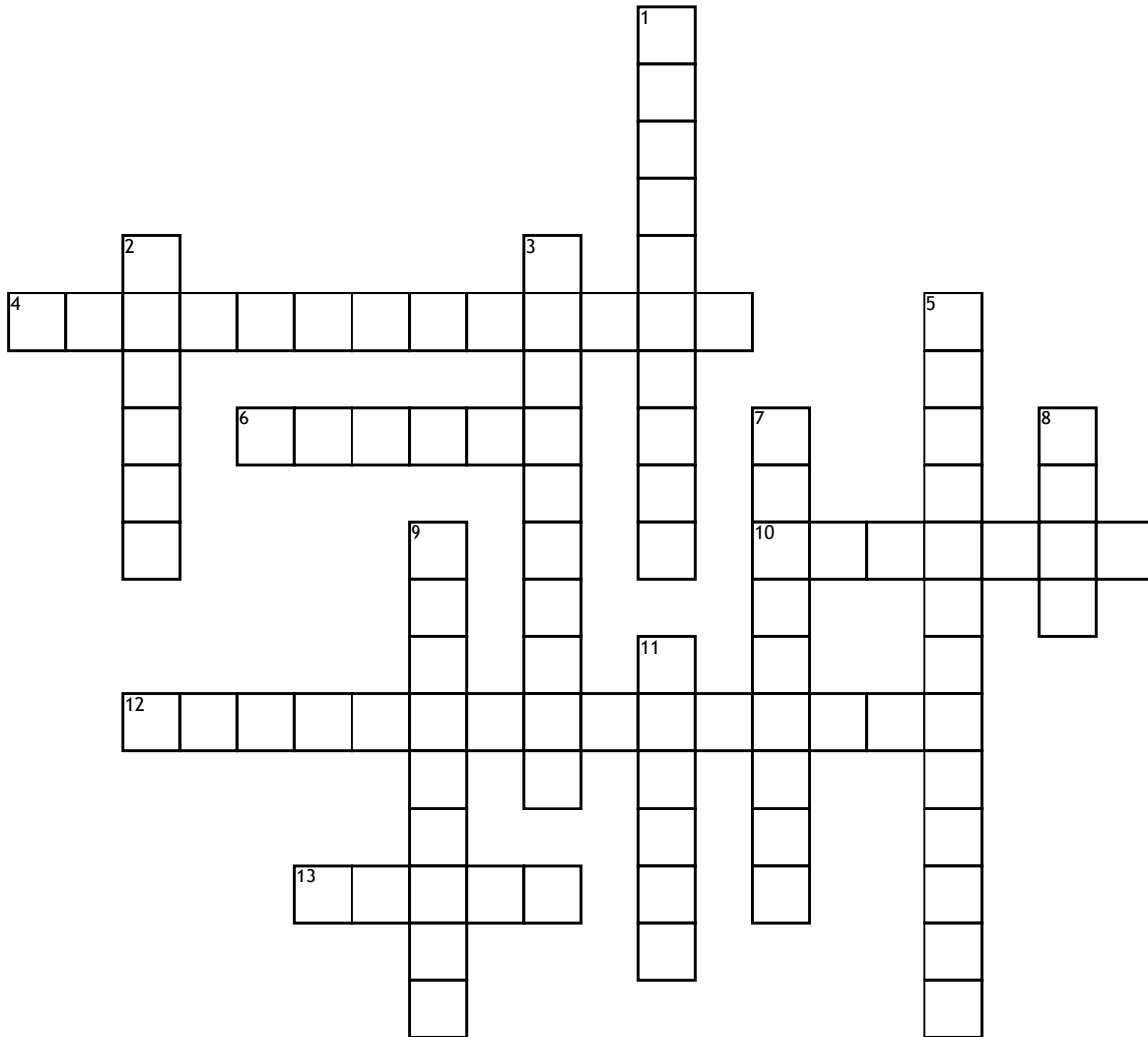


Name: _____

Mastery Task #1



Across

4. an arrangement of the elements in order of their atomic numbers such that elements with similar properties fall in the same column, or group

6. elements that are shiny and conduct heat and electricity well

10. a subatomic particle that has no charge and that is located in the nucleus solution of water and salt

12. an electron found in the outermost energy level of an atom

13. each vertical column of elements on the periodic table

Down

1. elements that have some properties of metals and some properties of nonmetals

2. positively charged particles in the nucleus

3. is the total number of protons and neutrons in an atom's nucleus

5. a region around the nucleus of an atom where electrons are likely to be found

7. poor conductors of heat and electricity

8. the smallest particle into which an element can be distilled be the same element

9. negatively charged particles

11. each horizontal row of elements on the periodic table