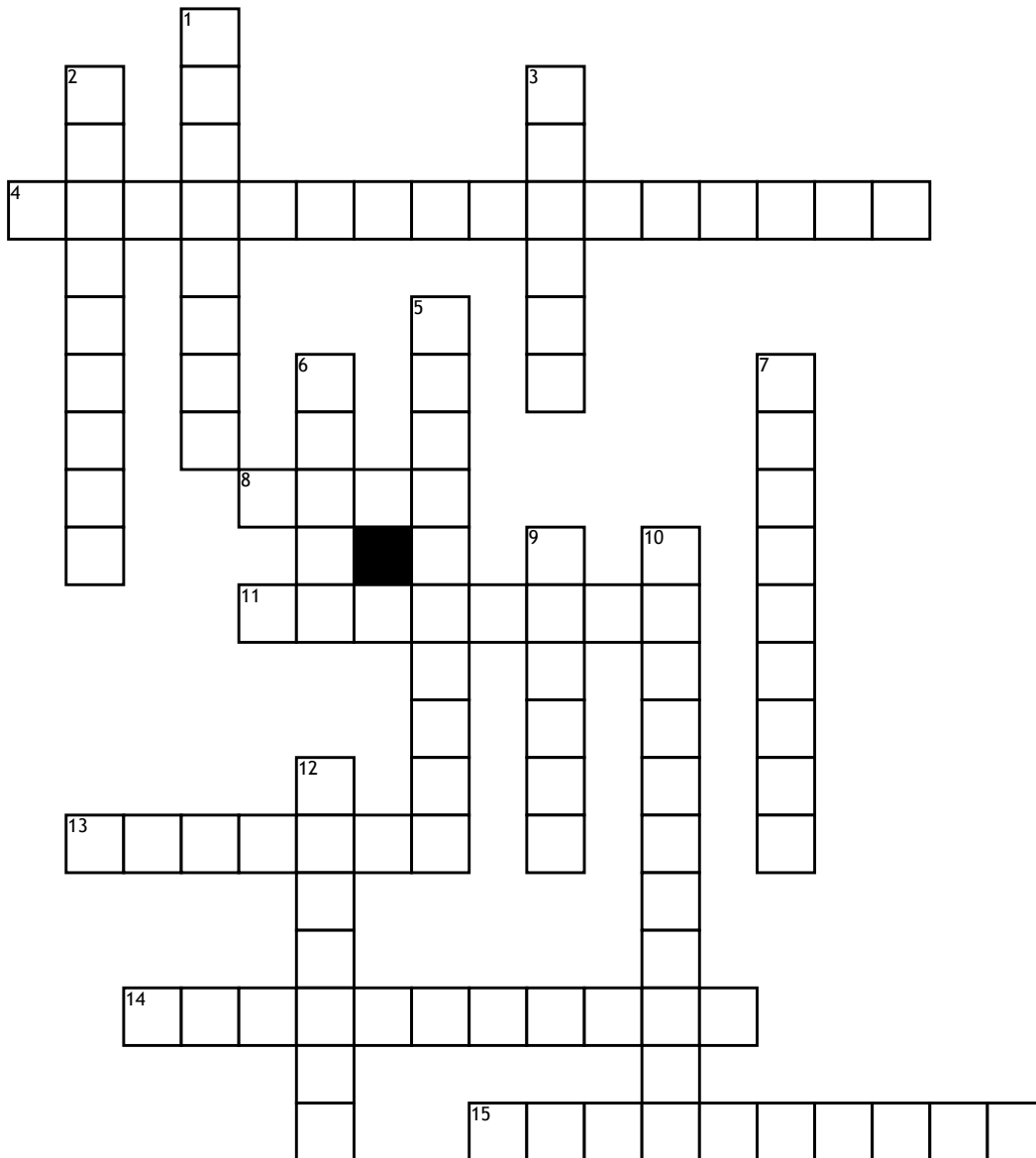


Name: _____

Date: _____

Atoms & The periodic table Crossword puzzle



Across

4. The number of valence electrons of an atom determines its _____
8. The basic unit of a chemical element
11. A negatively charged subatomic particle that bound the nucleus
13. The center of an atom, consisting of protons and neutrons
14. An element that has the most amount of valence electrons is _____

15. The family name of group 18 in the periodic table

Down

1. An element that is not a metal is called a _____ element
2. A model consisting of a small, dense nucleus surrounded by orbiting electrons
3. The name given to a horizontal row of the periodic table
5. The mass of a single atom of a chemical element

6. A chemical element that is an effective conductor of electricity and heat

7. Has the properties of both metals and non-metals
9. A positively charged subatomic particle found in the nucleus of every atom
10. The distances from the nucleus of an atom where electrons may be found
12. A subatomic particle that is found in every nucleus of an atom and has no charge.