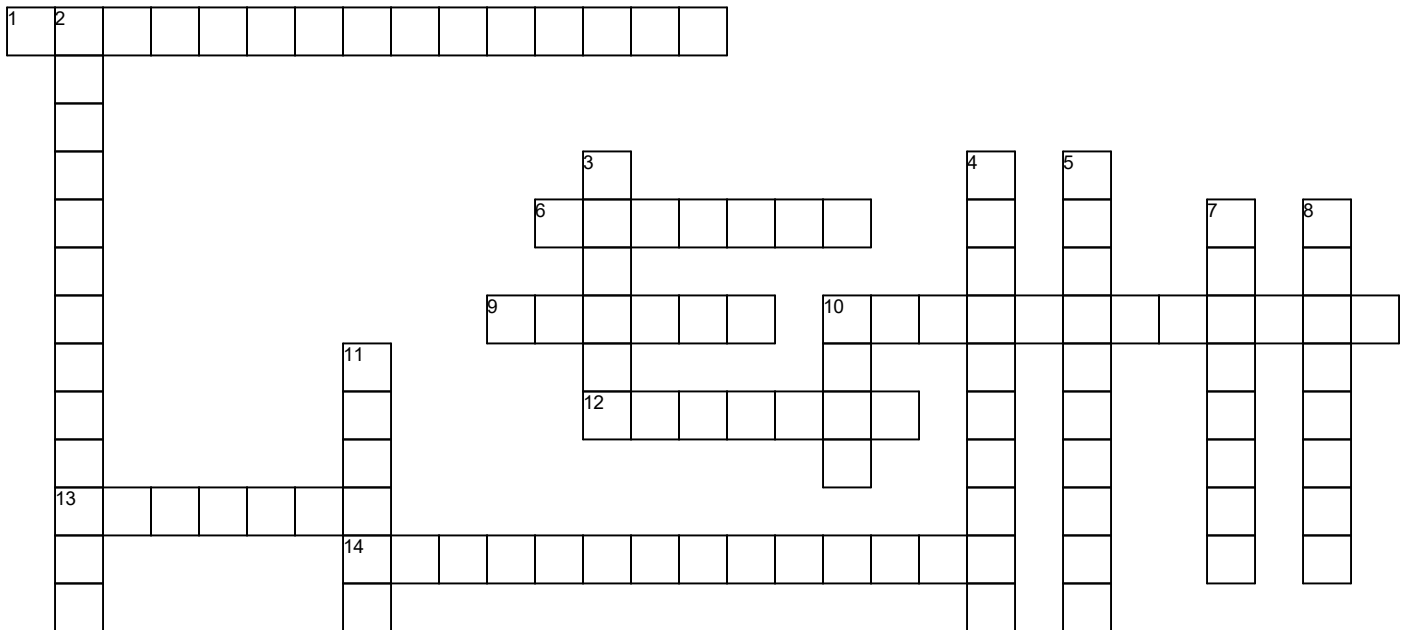


# 8th Grade Science Vocabulary Crossword Puzzle 24

1. Using the Across and Down clues, write the correct words in the numbered grid below.



## ACROSS

1. An electron in the outer shell associated with an atom.
6. The force that objects exert on each other because of their masses.
9. The largest group of elements on the periodic table; elements that are: malleable, have luster and conduct electricity.
10. This is the identity of an element; this is the number of protons an element has in it's nucleus.
12. Neutrally charged particles located in the nucleus of an atom.
13. A pure substance made of only one type of atom.
14. Regions surrounding the atomic nucleus containing a specific number of electrons.

## DOWN

2. The center of an atom; the home of the protons and neutrons; this is also where atomic mass comes from.
3. Positively charged particles located in the nucleus of an atom.
4. The number of protons and neutrons.
5. The ability of an element to chemically react with another.
7. Two or more elements chemically combined.
8. Negatively charged particles with very little mass located in the electron cloud surrounding the nucleus of an atom.
10. Basic unit of matter; smallest component of an element.
11. The ability to reflect light off of a surface (shiny).

metals  
atomic number  
element  
electron shells  
proton

valence electron  
compound  
electron  
atomic mass  
reactivity

luster  
neutron  
atom  
gravity  
atomic nucleus