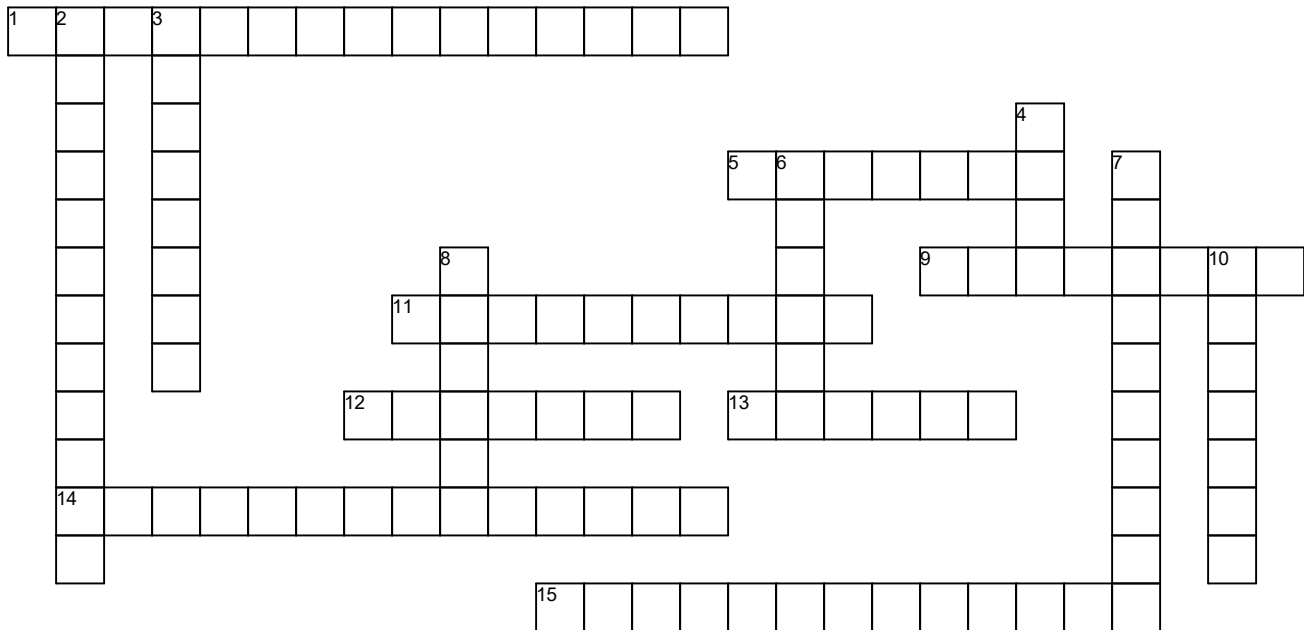


8th Grade Science Vocabulary Crossword Puzzle 17

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.
5. A pure substance made of only one type of atom.
9. Two or more elements chemically combined.
11. The ability of an element to chemically react with another.
12. The force that objects exert on each other because of their masses.
13. Positively charged particles located in the nucleus of an atom.
14. Regions surrounding the atomic nucleus containing a specific number of electrons.
15. The center of an atom; the home of the protons and neutrons; this is also where atomic mass comes from.

DOWN

2. This is the identity of an element; this is the number of protons an element has in it's nucleus.
3. Negatively charged particles with very little mass located in the electron cloud surrounding the nucleus of an atom.
4. Basic unit of matter; smallest component of an element.
6. The ability to reflect light off of a surface (shiny).
7. The number of protons and neutrons.
8. The largest group of elements on the periodic table; elements that are: malleable, have luster and conduct electricity.
10. Neutrally charged particles located in the nucleus of an atom.

metals
atomic number
electron shells
neutron
valence electron

gravity
atomic mass
atom
element
luster

electron
compound
proton
atomic nucleus
reactivity