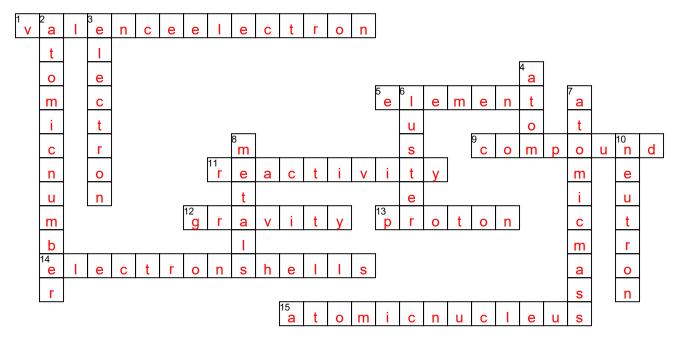
8th Grade Science Vocabulary Crossword Puzzle 17

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 changed 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