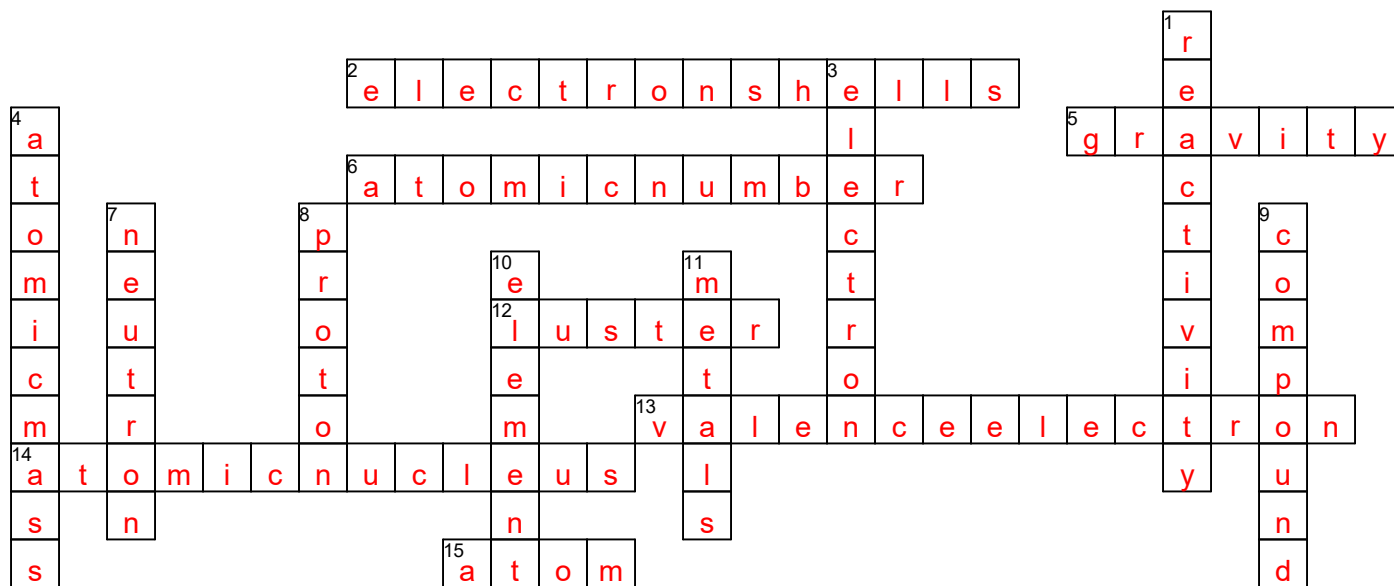


8th Grade Science Vocabulary Crossword Puzzle 3

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



ACROSS

2. Regions surrounding the atomic nucleus containing a specific number of electrons.
5. The force that objects exert on each other because of their masses.
6. This is the identity of an element; this is the number of protons an element has in it's nucleus.
12. The ability to reflect light off of a surface (shiny).
13. An electron in the outer shell associated with an atom.
14. The center of an atom; the home of the protons and neutrons; this is also where atomic mass comes from.
15. Basic unit of matter; smallest component of an element.

DOWN

1. The ability of an element to chemically react with another.
3. Negatively charged particles with very little mass located in the electron cloud surrounding the nucleus of an atom.
4. The number of protons and neutrons.
7. Neutrally charged particles located in the nucleus of an atom.
8. Positively charged particles located in the nucleus of an atom.
9. Two or more elements chemically combined.
10. A pure substance made of only one type of atom.
11. The largest group of elements on the periodic table; elements that are: malleable, have luster and conduct electricity.

neutron
atomic mass
valence electron
reactivity
proton

atom
element
metals
electron shells
gravity

atomic number
luster
atomic nucleus
electron
compound