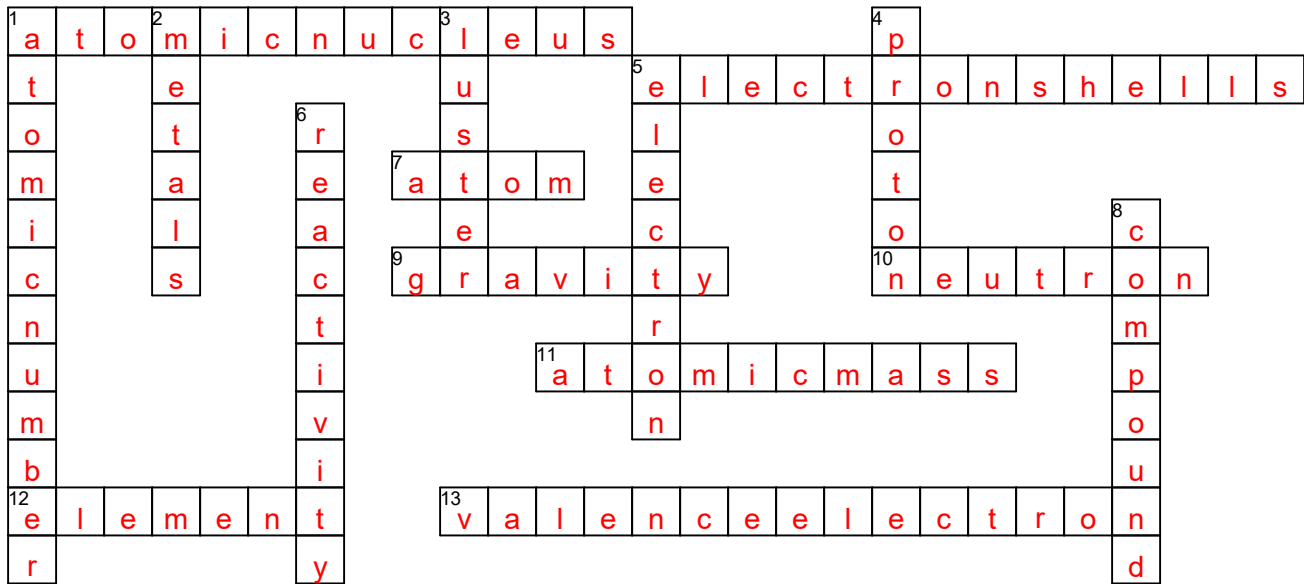


8th Grade Science Vocabulary Crossword Puzzle 10

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



ACROSS

- The center of an atom; the home of the protons and neutrons; this is also where atomic mass comes from.
- Regions surrounding the atomic nucleus containing a specific number of electrons.
- Basic unit of matter; smallest component of an element.
- The force that objects exert on each other because of their masses.
- Neutrally charged particles located in the nucleus of an atom.
- The number of protons and neutrons.
- A pure substance made of only one type of atom.
- An electron in the outer shell associated with an atom.

DOWN

- This is the identity of an element; this is the number of protons an element has in its nucleus.
- The largest group of elements on the periodic table; elements that are: malleable, have luster and conduct electricity.
- The ability to reflect light off of a surface (shiny).
- Positively charged particles located in the nucleus of an atom.
- Negatively charged particles with very little mass located in the electron cloud surrounding the nucleus of an atom.
- The ability of an element to chemically react with another.
- Two or more elements chemically combined.

metals
valence electron
atom
element
electron shells

reactivity
atomic nucleus
atomic number
atomic mass
luster

gravity
compound
proton
electron
neutron