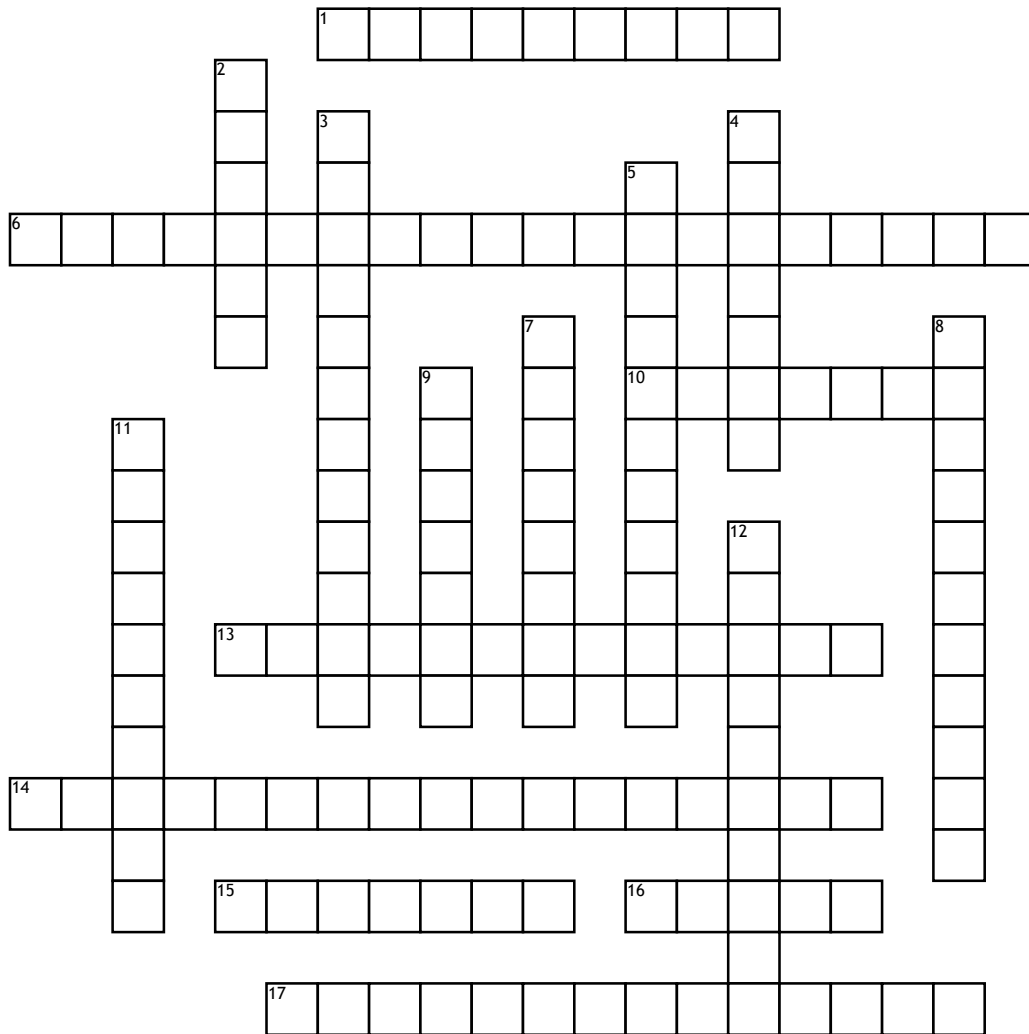


Atoms- The Building blocks of matter



Across

1. the key to the power of the sun
 6. acts between charged particles and is the combination of all electrical and magnetic forces
 10. a subatomic particle of about the same mass as a proton but without an electric charge
 13. an informal term in physics that is used to describe where electrons are when they go around the nucleus of an atom
 14. a particle smaller than an atom
 15. a form of a chemical element whose atomic nucleus contains a specific number of neutron

Word Bank

subatomic particle
 atomic mass unit
 energy level
 gravity
 proton

strong force
 weak force
 neutron
 atomic mass

mass number
 atomic number
 electron cloud
 electromagnetic force

isotope
 quark
 electron
 nucleus

16. believed to make up all other known particles in the nucleus
 17. unit of mass used to express atomic and molecular weights

Down

2. a positively charged stable subatomic particle
 3. the number of protons in the nucleus of an atom
 4. center of the atom
 5. the force that holds particles together in the atomic nucleus and the force that holds quarks together in elementary particles

7. a stable subatomic particle with a charge of negative electricity that is found in all atoms
 8. each hold a certain number of electrons
 9. the weakest force known in nature
 11. the total number of protons and neutrons in a nucleus
 12. mass of an atom of a chemical element expressed in atomic mass units