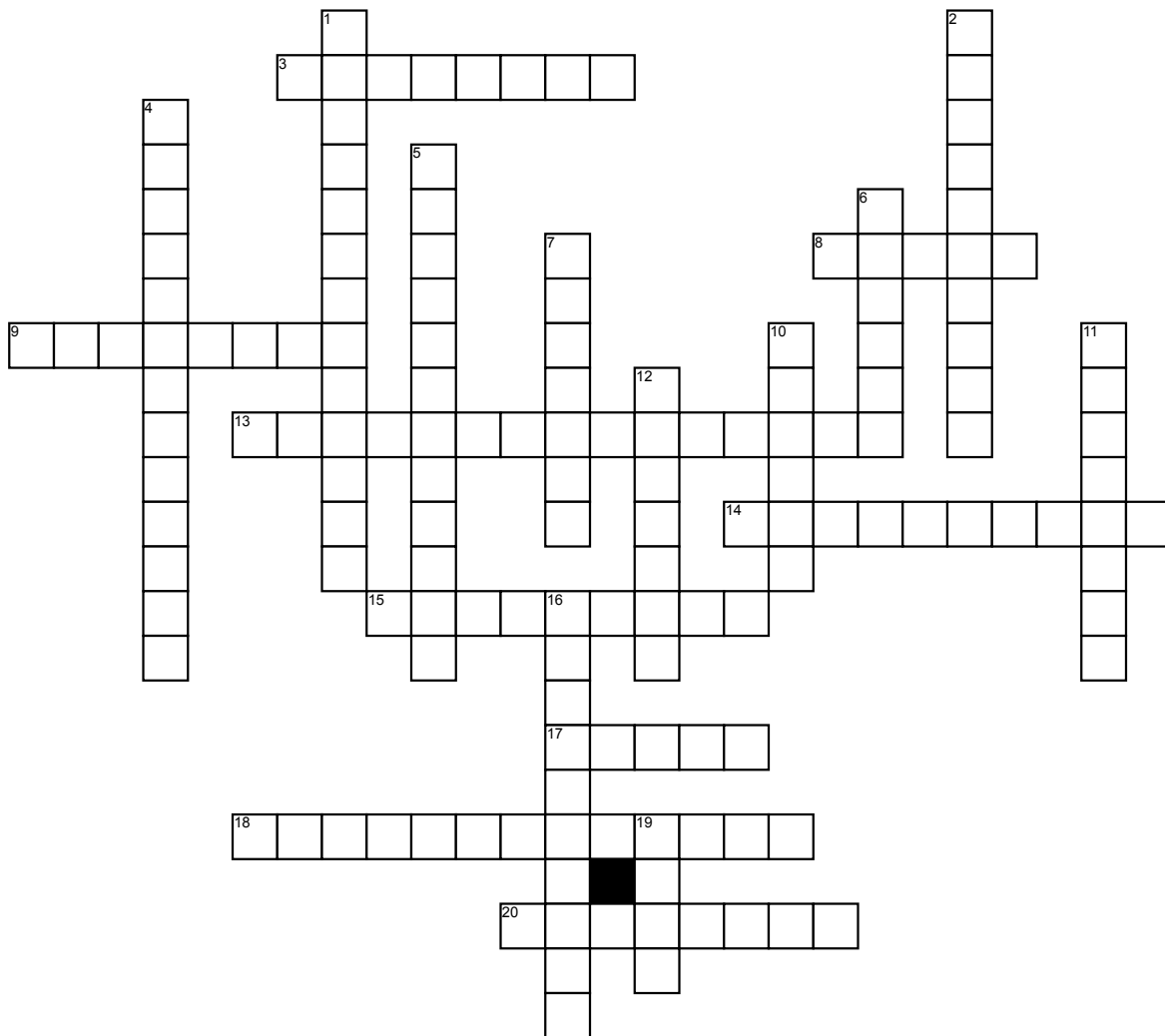


science performance assessment



Across

- 3.** a stable subatomic particle with a charge of negative electricity
- 8.** all the elements in this have are in a vertical column in a periodic table
- 9.** a colorless, odorless, highly flammable gas, the chemical element of atomic number 1
- 13.** an outer shell electron that is associated with an atom
- 14.** they were long believed to be totally unreactive but compounds of xenon, krypton, and radon are now known
- 15.** an element whose properties are intermediate between those of metals and solid nonmetals

- 17.** a material that is typically hard, shiny, malleable, fusible, and ductile
- 18.** a table of the chemical elements arranged in order of atomic number
- 20.** they are reactive nonmetallic elements that form strongly acidic compounds with hydrogen

Down

- 1.** used to describe where electrons are when they go around the nucleus of an atom
- 2.** the total number of protons and neutrons in nucleus
- 4.** outside part of an atom around the atomic nucleus
- 5.** the number of protons in the nucleus of an atom

- 6.** a positive electric charge equal in magnitude to that of a electron
- 7.** the positively charged central core of an atom
- 10.** all the elements in this have the same number of electron shells in their atoms
- 11.** an element or substance that is not a metal
- 12.** particle with about the same mass as a proton but without a electric charge
- 16.** the mass of an atom of a chemical element expressed in atomic mass units
- 19.** the basic unit of a chemical element