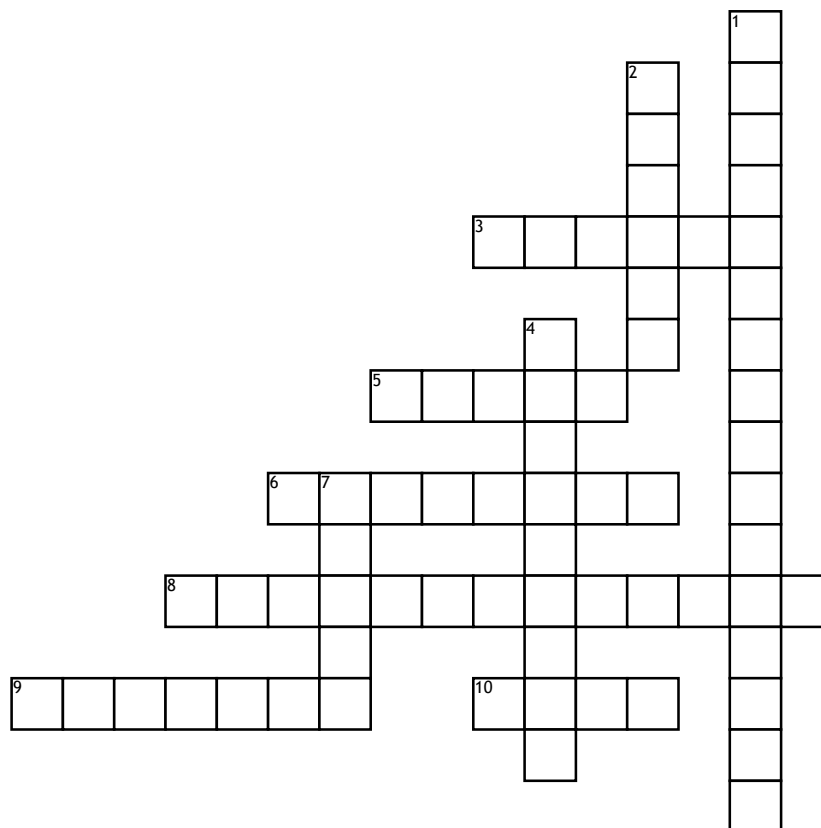


Name: _____ Date: _____ Period: _____

Bonding Vocabulary



Across

- occurs when two light atoms bond together, or fuse, to make a heavier one
- having electrical or magnetic polarity.
- the time required for any specified property (e.g. the concentration of a substance in the body) to decrease by half.
- the emission of ionizing radiation or particles caused by the spontaneous disintegration of atomic nuclei.
- A nuclear reaction in which an atomic nucleus, especially a heavy nucleus such as an isotope of uranium

Word Bank

Fusion
Fission
Cation

Half life
Radioactivity
Polar

Valence Electrons
Radiation
Bond
Anion

- a thing used to tie something or to fasten things together.

Down

- a single electron or one of two or more electrons in the outer shell of an atom that is responsible for the chemical properties of the atom
- a positively charged ion, i.e. one that would be attracted to the cathode in electrolysis.
- the emission of energy as electromagnetic waves or as moving subatomic particles, especially high-energy particles which cause ionization.
- a negatively charged ion, i.e. one that would be attracted to the anode in electrolysis.