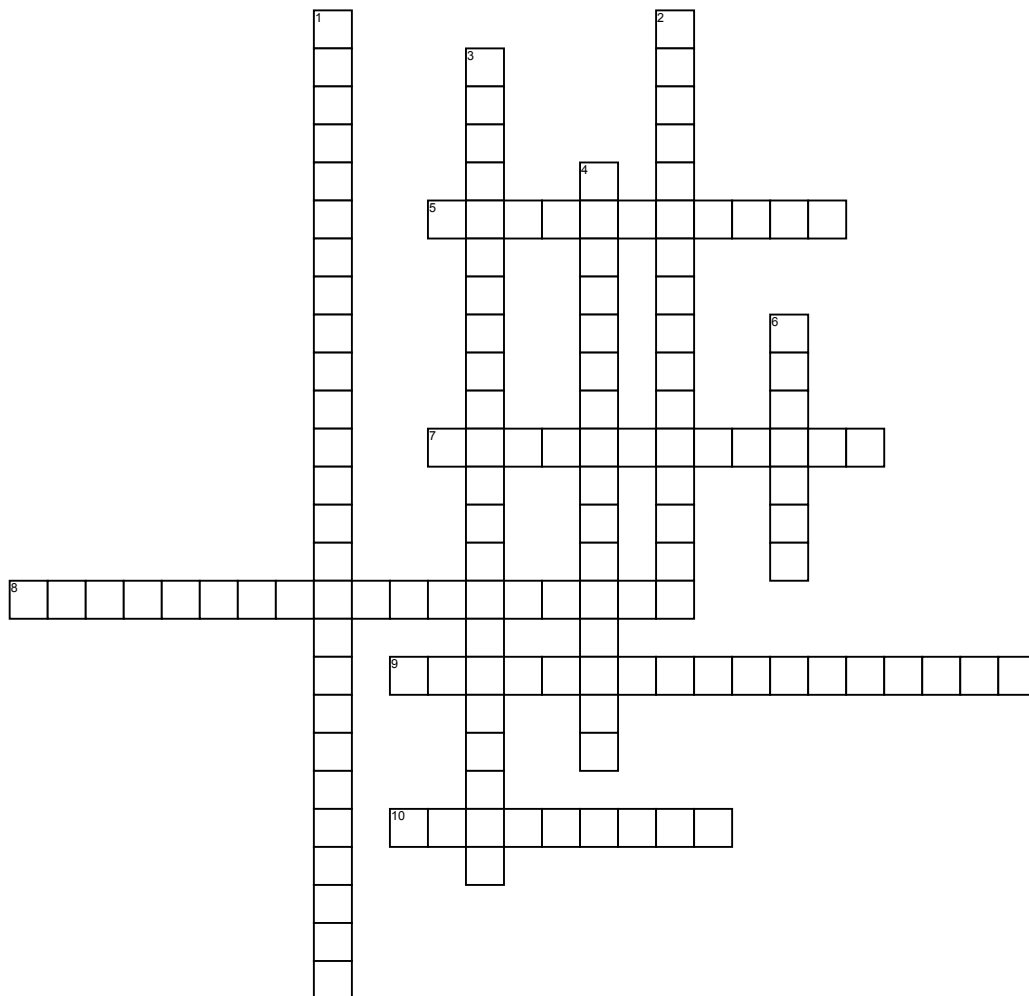


Periodic Table Crossword



Across

- 5. A periodic repetition of chemical and physical properties of the elements exist when they are arranged by increasing atomic number.
- 7. Half the distance between nuclei of identical atoms that are bonded together
- 8. The groups in the middle of the periodic table with a B (1B-8B). Also known as transition metals
- 9. Ability of an element to attract an electron in a chemical bond.

- 10. Atoms tend to gain, lose, or share electrons in order to acquire a full set of eight valence electrons.

Down

- 1. Electronegativity generally decreases down a group and generally increases to the right
- 2. Vertical columns on the Periodic Table.
- 3. The groups with an A (1A-8A); often called the main group.
- 4. The energy necessary to remove an electron from an atom
- 6. Horizontal rows on the Periodic Table.

Word Bank

- | | | |
|--------------------|-------------------------|------------------------------|
| Octet rule | Representative elements | Trends for electronegativity |
| Atomic radius | Periodic Law | Ionization Energy |
| Electronegativity | Transition elements | Periods |
| Families or groups | | |