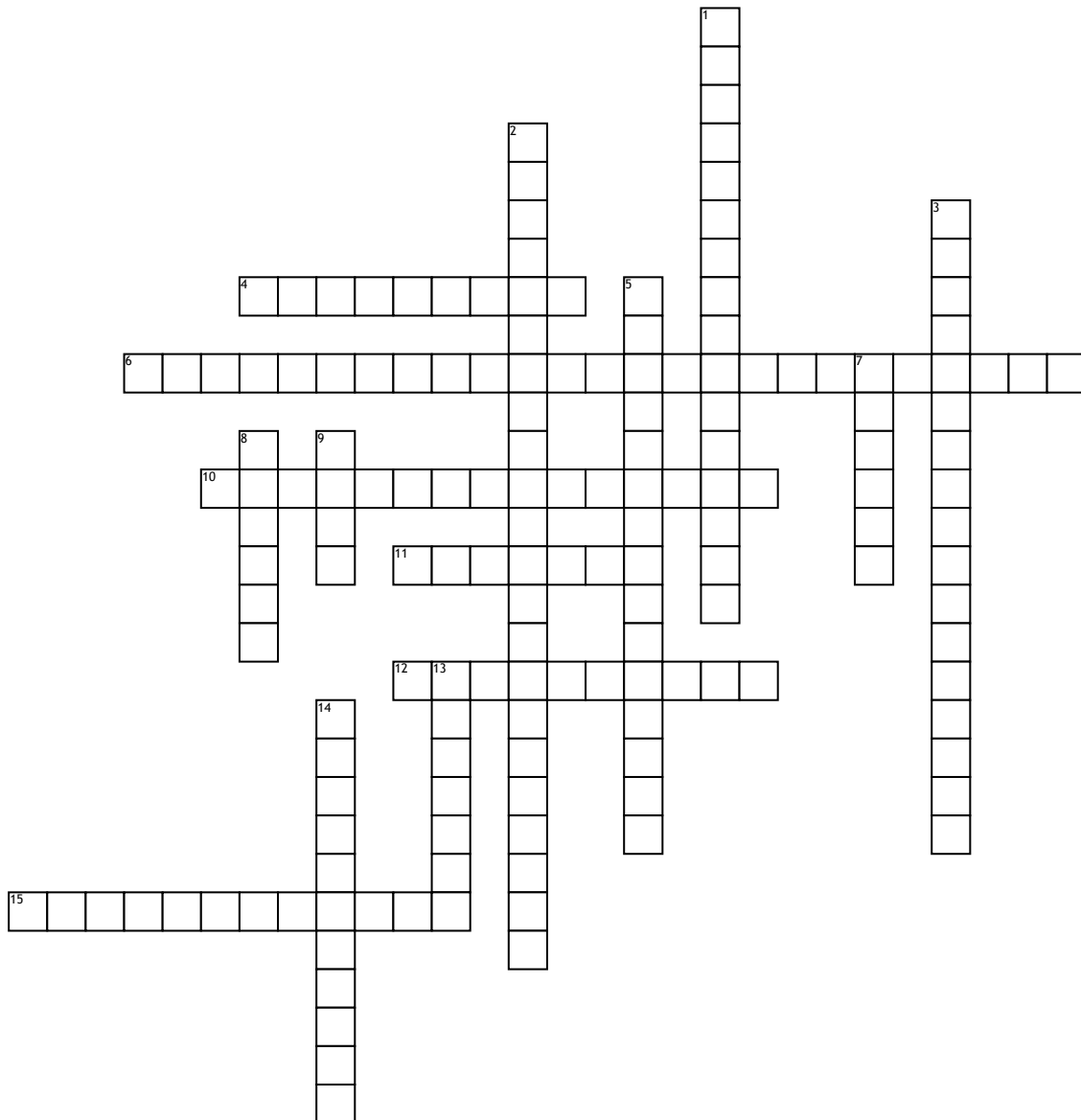


Periodic Table



Across

- 4. This person was given credit for developing the first Periodic Table.
- 6. What is the name of the groups in the middle of the Periodic Table (1B-8B)
- 10. The first person to make a list of the elements.
- 11. What is the name of the horizontal rows on the Periodic Table called?
- 12. Atoms tend to gain, lose, or share electrons in order to acquire a full set of eight valence electrons.

15. The distance between the nucleus and the valence electron shell - How big an atom is.

Down

- 1. The energy necessary to remove an electron from an atom.
- 2. What is another name for the groups 1A- 8A?
- 3. Ability of an element to attract an electron in a chemical bond.
- 5. What are the vertical columns on the Periodic Table called?

7. Elements that are generally shiny when smooth and clean, solid at room temperature, and are good conductors of heat and electricity.

- 8. Negative ions
- 9. Atoms which have lost or gained an electron.
- 13. Positive ions.
- 14. A periodic repetition of chemical and physical properties of the elements exist when they are arranged by increasing atomic number.