Periodic Table

- 7. The organization of the periodic table is based on the properties of the elements and reflects the structure of atoms. As a basis for understanding this concept:
 - Students know how to identify regions corresponding to metals, nonmetals, and inert gases.
 - b. Students know each element has a specific number of protons in the nucleus (the atomic number) and each isotope of the element has a different but specific number of neutrons in the nucleus.
 - c. Students know substances can be classified by their properties, including their melting temperature, density, hardness, and thermal and electrical conductivity.
- 1. identify these areas on the periodic table:
 - a. metals b. non metals c. metalloids d. hydrogen, carbon, oxygen
 - b. Alkaline metals, alkaline earth metals, transition metals, lanthanide series, actinide series, coinage metals (color in yellow). halogens, noble gases,

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