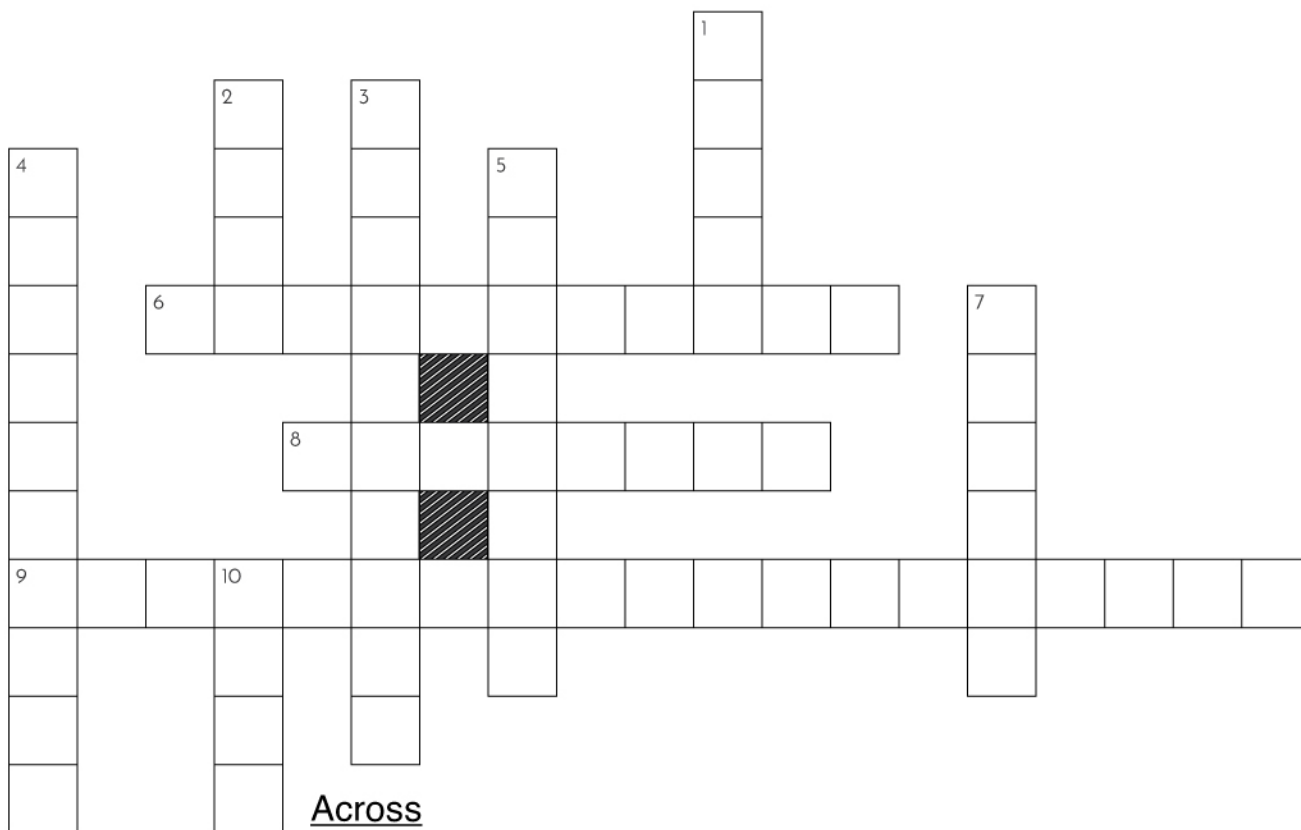


Periodic Table Crossword Puzzle

Name: _____

Grade: _____ Date: __/__/__



Across

6. The law that states that the chemical and physical properties of elements are periodic functions of atomic numbers
8. Very reactive nonmetals in Group 17 with their atoms having seven electrons in their outer level
9. The elements in Group 2 of the periodic table; they are reactive metals but less reactive than group 1

Down

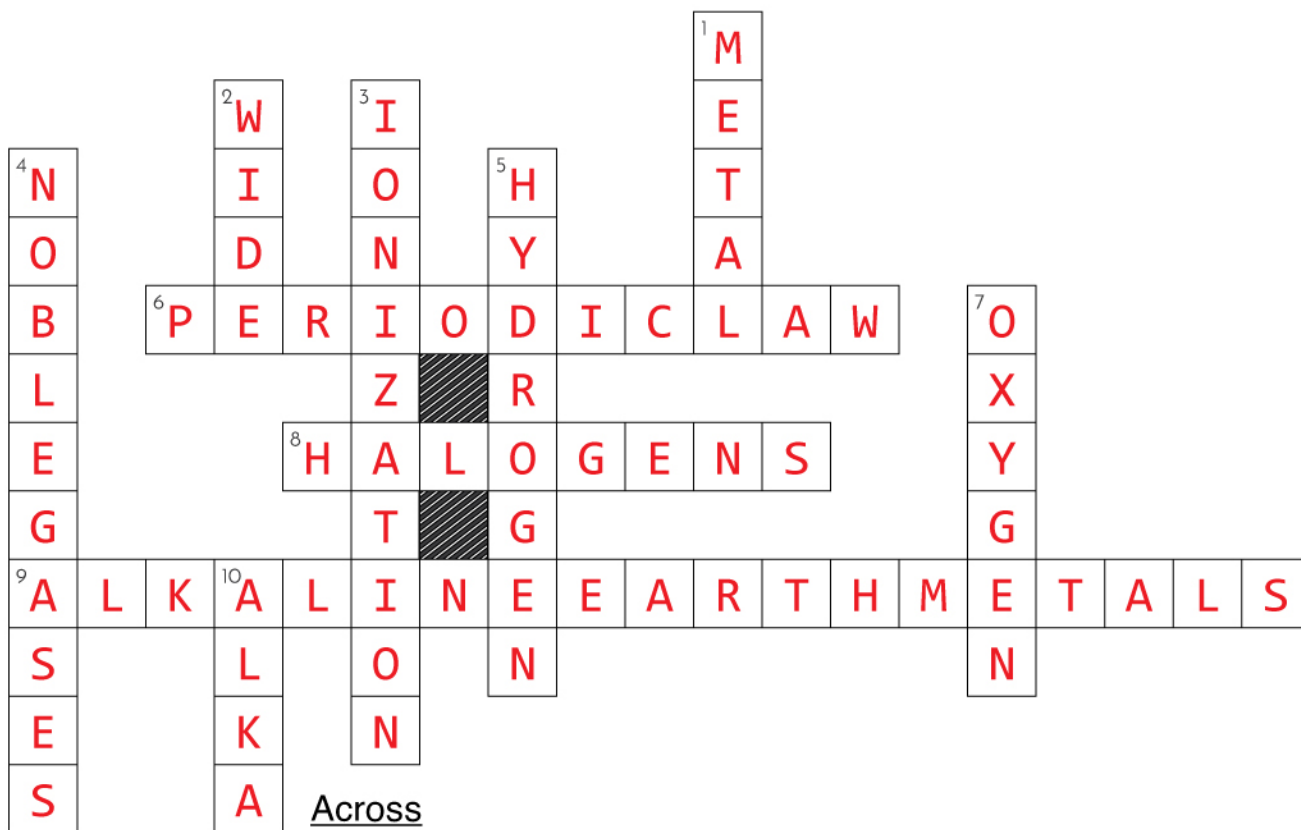
1. _____ Properties - High electrical conductivity, strong metallic bonds, high melting and boiling points
2. Lanthanides and actinides are placed at the bottom of the periodic table to keep it from being too _____
3. _____ energy is required to remove 1 electron from each atom in 1 mole of gaseous atoms of an element to form 1 mole of gaseous 1+ ions
4. Occupying group 18, their atoms have 8 electrons in the outer level except helium
5. Not really an alkali metal, but having only one electron makes it behave like one
7. ____ is a gas at room temperature, and its atoms have six electrons in their outer level
10. The most reactive metals in Group 1 with their atoms having one electron in their outer level

Periodic Table Crossword Puzzle

Name: _____

Grade: _____ Date: __/__/__

(Solution)



Across

- The law that states that the chemical and physical properties of elements are periodic functions of atomic numbers
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- The elements in Group 2 of the periodic table; they are reactive metals but less reactive than group 1

Down

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- ___ is a gas at room temperature, and its atoms have six electrons in their outer level
- The most reactive metals in Group 1 with their atoms having one electron in their outer level