

Physical Science: Element Worksheet

Name _____ Date _____

Multiple Choice

- _____ 1. Mendeleev arranged the elements in his periodic table in order of...
- atomic number
 - number of electrons
 - mass
 - number of neutrons
- _____ 2. Mendeleev's decision to leave gaps in his periodic table was supported by the discovery of
- electrons
 - protons
 - argon
 - gallium
- _____ 3. In Mendeleev's periodic table, elements with similar properties were grouped
- in the same row
 - in pairs of two
 - in the same column
 - along diagonal lines that run from left to bottom right
- _____ 4. Which of the following is not a characteristic of metals?
- ductile
 - typically solid at room temp.
 - brittle
 - good conductors of electricity
- _____ 5. The elements from group 2 on the periodic table are called...
- Halogens
 - Alkali Earth Metals
 - Alkali Metals
 - Noble Gases
- _____ 6. Why do elements in a group have similar chemical properties?
- They have the same number of valence electrons.
 - They have the same ratio of protons to neutrons.
 - Their atomic masses are multiples of the least massive element of the group.
 - They have the same number of total electrons.
- _____ 7. How many periods does the modern periodic table have?
- 2
 - 7
 - 10
 - 18
- _____ 8. Which elements are all gases at room temp. (25° C)?
- Group 1
 - Group 7
 - Group 2
 - Group 8
- _____ 9. The most reactive metals are the...
- Transition metals
 - Alkali metals
 - metalloids
 - Noble gases
- _____ 10. An element that is shiny and conducts electricity is likely to be a...
- Gas
 - metalloid
 - liquid
 - metal
- _____ 11. Moving up and down (vertically) on the periodic table would represent which of the following best?
- Group
 - Family
 - Period
 - A and B

Physical Science Element Answer Key

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