

Answers to Periodic Table Worksheets

The Periodic Table

Origin and Arrangement:

1. Mendeleev
2. were based on atomic mass, now based on atomic number. Atomic number
3. period, outermost principle energy level
4. groups or families
5. same number of valence electrons

Metals:

6. left of ladder
7. Group 1(IA) alkali metals
Group 2 (IIA) Alkaline Earth Metals
8. Group 1
9. Physical: luster, malleable, ductile, conductor
Chemical: lose electrons

Nonmetals:

10. Right of ladder
11. Group 17
12. Group VIIA or 17 halogen family
13. Physical: dull, not malleable, brittle, insulator
Chemical: gain electrons

Other Categories:

14. Some properties of metals others nonmetals. In between properties
15. B, Si, Ge, As, Sb, Te, At
16. Groups 3-11
17. Fill d sublevel