

Alloy = mixture of 2 or more metals

Periodic Table Basics

Groups: go vertically

Example: Group 2, Period 4 = Calcium

Group 5, Period 6 = Tantalum

Periods: go horizontally across

Using the periodic table below... Color the different types of elements, be sure to fill in the key below. Then list brief descriptions of elements that fall into these categories.

Metals

- malleable (beaten into sheets)
- ductile (pulled into wires)
- good conductors

Non-Metals

- brittle
- bad conductors

Metalloids

- = semi conductors
- have some prop. of metals, some of not metals
- ideal for computer chips

Periodic Table of the Elements

Atomic number: 14
Symbol: Si
Atomic mass: 28.086
Silicor. Name

Mass numbers in parentheses are those of the most stable or most common isotope.

Using the periodic table below... Color the different families, be sure to fill in the key below. Then list brief descriptions of elements that fall into these categories.

Alkali Metals

- highly reactive metal!
- only has 1 extra electron to lose to be stable

Alkali Earth Metals

Transition Metals

Halogens

- most reactive non-metals
- only need 1 more electrons to be stable!

Nobel Gases

- DO NOT react with others!
- Outer shells are full so they don't want to share their electrons!

Periodic Table of the Elements

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Atomic mass: 28.086
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"Other metals"

metalloids

Non-metals