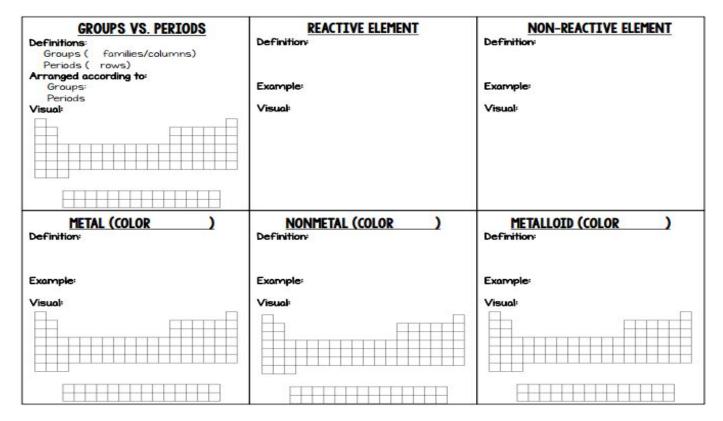


Group is Not Reactive -Noble Gases (outer energy shell complete with valence electrons)

Periodic Table Handout

- You need to get some colors (either thin marker or colored pencil)
- You will need the following colors: Pink, Blue, Yellow, Purple



CROUPS VS. PERIODS DeFellione Groups (Fonites/columns) Peraids (roomes/columns) Peraids (roomes/columns) Peraids (roomes/columns) Peraids (roomes/columns) Visual	REACTIVE ELEMENT Defivitor	NON-REACTIVE ELEMENT Definition Examples Visual
METAL (COLOR) Definition:	NONMETAL (COLOR) Definition	METALLOID (COLOR) Definition
Example	Example	Example
Visual	Visual	Visual

GROUPS VS. PERIODS

Definitions

Groups (18 families/columns)

Periods (7 rows)

Arranged according to:

Groups: Elements with similar properties Periods Increasing atomic number

GROUPS VS. PERIODS Definitions Groups (families/columns) Periods (rows)	REACTIVE ELEMENT	NON-REACTIVE ELEMENT Definition
Arranged according to Groups: Periods Visual:	Example: Visual	Example
	V TINKOP	v navor.
METAL (COLOR) Definition	NONMETAL (COLOR) Definition	METALLOID (COLOR) Definition
Example	Example	Example
Visual	Visual	Visual

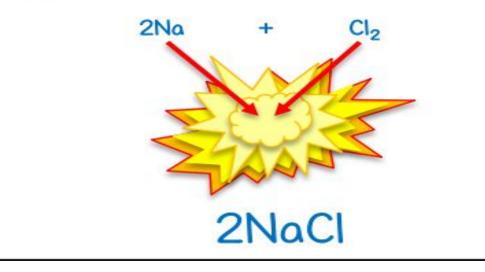
REACTIVE ELEMENT

Definition:

Element that easily, or readily responds (joining, repelling, forming a new substance) to other elements.

Example:

K and Na are stored separately because they're highly reactive, especially with O_{2. Also,} Na + Cl react to form NaCl. Visual:



CROUPS VS. PERIODS Definitions Groups (functies/columns) Perols (row) Varuad Vesual	REACTIVE ELEMENT Definition Example Visual	NON-BEACTIVE ELEPENT DeFinition Example Visual
METAL (COLOR) Definition	NONMETAL (COLOR) Definition	METALLOID (COLOR) Definition
Example	Example	Example

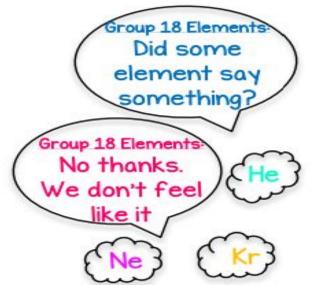
NON-REACTIVE ELEMENT

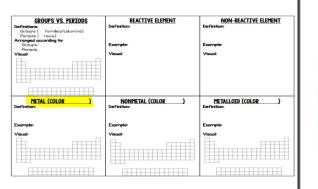
Definition:

Element that does not respond noticeably to the presence of other elements.

Example: Elements in Group 18 (Noble Gas Family)

Visual: Group 1 Elements: Let's react with everyone!





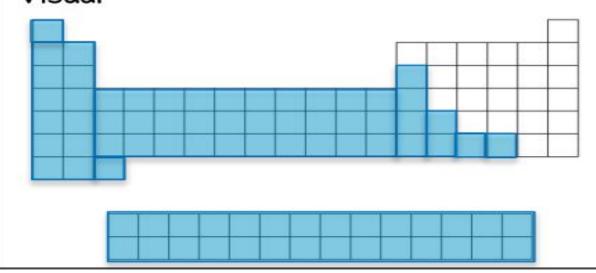
METAL (COLOR blue)

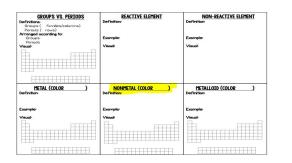
Definition:

Elements that easily conduct heat and electricity. The majority of the periodic table is made of metals. Mostly found in a solid phase.

Example:

Ni (nickel), Ti (titanium), Cu (copper), etc. Visual:





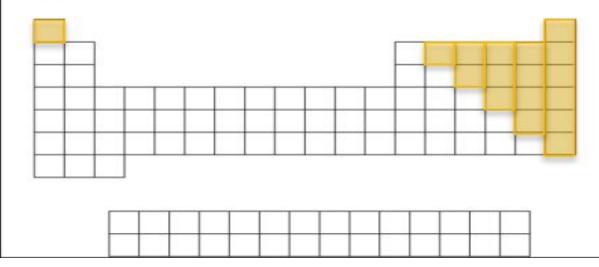
NONMETAL (COLOR yellow)

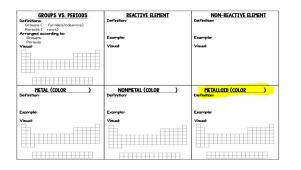
Definition:

Elements that lack metallic properties and are poor conductors of heat and electricity. Mostly on the right side of the PTE and found in a gas phase. Example:

F (fluorine), O (oxygen), Cl (chlorine), etc.

Visual:





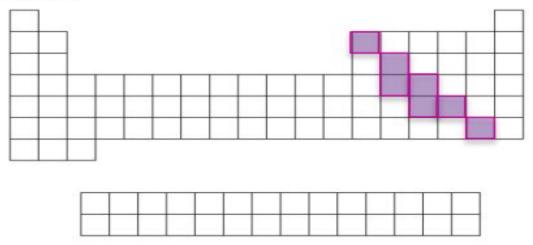
METALLOID (COLORpurple)

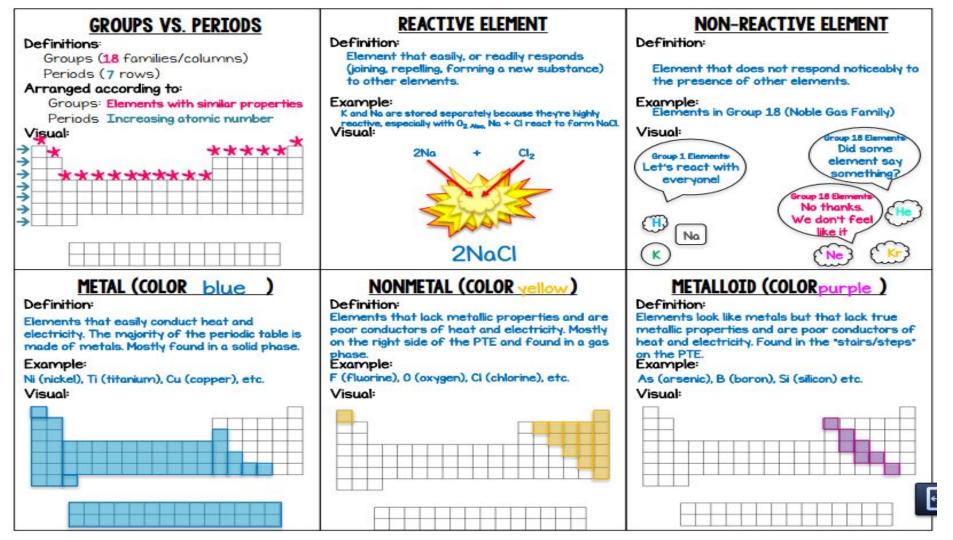
Definition:

Elements look like metals but that lack true metallic properties and are poor conductors of heat and electricity. Found in the "stairs/steps" on the PTE. Example:

As (arsenic), B (boron), Si (silicon) etc.

Visual:





How is the Periodic Table of Elements Organized?

