



The Periodic Table Answer Key

Play This Game

All in the Family

#1	This family's ions can be positive or negative	What is the carbon group?
#2	This family becomes negative easily.	What are the halogens?
#3	This family's ions are the most negative.	What is the Nitrogen group?
#4	This family is reactive with air and water.	What are the alkali metals?
#5	This family is reactive with water.	What are the alkaline earth metals?

What's Trending in Chemistry???

#1	This measurement made the periodic table organized.	What is atomic number?
#2	Atomic radii size changes in what way across a period?	What is smaller?
#3	Ionization energy decreases down a family because this force gets weaker.	What is electromagnetic force?
#4	The mathematical relationship between electronegativity & energy level.	What is inverse?
#5	4th Ionization energy is much larger for Aluminum because of this type of electron configuration.	What is a noble gas core?

Groupies on the Block

#1	The s-block is named as such because its valence electrons are located in this orbital.	What is the s-orbital?
#2	The transition metals live on this block.	What is the d-block?
#3	This block has metals, non-metals, & semi-metals.	What is the p-block?
#4	This block doesn't fit in very well with the other blocks.	What is the f-block?
#5	These groups are the rebels of the periodic table.	What are the transition & inner transition metals?

Stability rules!

#1	The common ion for phosphorus is this.	What is 3-?
#2	Radon's highest occupied energy level is this.	What is 6s2p6?
#3	This element's highest occupied energy level is 4s2p2.	What is germanium?
#4	This element w/ 3s2p5 configuration is in this period and group.	What is period 3 & the halogens?
#5	In order to be stable, atoms lose, gain, or share electrons to obtain this type of e configuration.	What is a noble gas core?

Competitive elements

#1	The order of Te, I, Se from smallest to largest atomic radius.	What is Se, Te, I?
#2	The order of Sr, Mg, Ba from smallest to highest IE is this.	What is Mg, Sr, Ba?
#3	The ability to attract electrons when in a chemical bond.	What is electronegativity?
#4	S or O has a higher electronegativity value.	What is O?
#5	Ca or Ga has a higher electronegativity value.	What is Ca?

Final Question

Which of these terms does not belong: quantum number, energy level, family,	What is family?
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