

PEER-LED TEAM LEARNING LEADER TRAINING

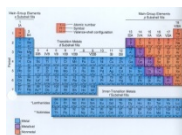
General Chemistry Mnemonics and Shortcuts

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Introduction

Peer Leaders have compiled several mnemonics and found shortcuts to pass on to their students. This is a small collection, with credit to those who developed these.

Metals and Non-metals



To the left of the staircase are metals, to the right are non-metals

Cation vs. Anion - Allyssa Amaya



The word cation has a t that looks like a plus! So it's positive!

Empirical and Molecular Formulas - Jennifer Johnson and Laura Llanes



Sing to Frere Jacques! 

"Percent to mass
Mass to moles
Divide by small
Multiply 'till whole"

Lucky #7 Diatomics

N	O	F
7	8	9
	Cl	
H	17	
1	Br	
	35	
	I	
	53	

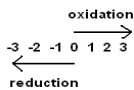
Looks like a seven and has seven Diatomic elements!

Oxidation and Reduction - Walter E. Dickson and Laura Llanes

OIL RIG and LEO the lion goes GER are two mnemonic devices that stand for oxidation is loss and reduction is gain of electrons.

If an element goes from -1 to 1 it's oxidized. However, if say it goes from 2 to 0 then it's

reduced!



Density - Walter E. Dickson

$$D = \frac{m}{V}$$


To solve for density, cover the d. Mass divided by volume. To solve for mass, cover the m.

Solubility - CASH N GIA - Jennifer Johnson

All chlorates, acetates, sulfates (except CBS which are calcium, barium and strontium), halogens (except Happy which are Hg, Ag, Pb), Nitrates and Group 1A are soluble.

Cite This Article as: Llanes, L.G., Johnson, J.L., Hernandez, J.E., & Becvar, J.E. (2012). General Chemistry Mnemonics and Shortcuts. Peer-Led Team Learning: Leader Training. Online at <http://www.pltlis.org>. Originally published in *Progressions: The Peer-Led Team Learning Project Newsletter*, Volume 9, Number 3, Spring 2008.