

Name:	Date:	Hour:
ivanic.	Dutc.	iioui.

Periodic Table Elements and Organization

Periodic Table Timeline

1669 – An unknown element () is discovered. How?	
1789 – Known elements are grouped by metals) and nonmetals (
1809 – At least 47 elements have been discover	ed. Scientists are noticing other	
1829 – Known elements are being sorted by che	emical	
1860 – A list is released with the atomic	of known elements.	
1869 – The Father of the Modern Periodic Table Dmitri Mendeleev discovered a pattern t	e arranges it based on known that showed similar properties.	
Arrangement of Elements		
Elements are arranged vertically into	or	
Hydrogen Group		
Has electron(s).	Very	
Group 1: Alkali Metals		
Soft, silvery	Very, (especially with	
Loses electron(s).)	
Group 2: Alkaline Earth Metals		
Silvery-white metals	Found in in earth's crust	
Loses electron(s).	Used in and	
Groups 3-12: Transition Metals		
Good and excellent conductors of and	and ductile.	
	Electrons (N/A)	

Group 13: Boron Family			
Gains/shares/loses	electrons.	is the most abundant metal in Earth's crust.	
Group 14: Carbon Family			
Gains/shares/loses	electrons	is mostly found in sand	
The element "basis of life"	is called the	Includes a non-metal (), metalloids, and	
Group 15: Nitrogen Family	,		
Gains or shares	electrons	makes up 78% of our atmosphere	
Group 16: Oxygen Family			
Gains or shares	electrons.	is the most abundant element in the Earth's crust.	
Group 17: Halogens			
Most are	·	Very	
Gains or shares	electron(s).	React with to form salts.	
Group 18: Noble Gases			
reactive; inert		gases	
g	ain or lose electrons		
Rare Earth Metals			
At the Table	of the Periodic	1. Lanthanide Series Very	
Composed of	series	Typically in color	
		2. Actinide Series	

All are _____