

Name _____

Period _____

Partner _____

Date _____

The Periodic Table Video Lab

To do this assignment you must have access to online sources. The best source will be the Periodic Table Video's Website (<http://www.periodicvideos.com>) Use Wikipedia and YouTube Videos if you like. Find out interesting information for each of the elements listed below. Write down something that strikes you as important. For some elements there will be no reactions.

Alkali Metal Family

What group number is this? _____

Element	General Appearance	Properties/Reactions	Uses
Lithium			
Sodium			
Potassium			
Rubidium			
Cesium			

Alkaline Earth Family

What group number is this? _____

Element	General Appearance	Properties/Reactions	Uses
Beryllium			
Magnesium			
Calcium			
Strontium			

Halogen Family

What group number is this? _____

Element	General Appearance	Properties/Reactions	Uses
Fluorine			
Chlorine			
Bromine			
Iodine			

Noble Gas Family

What group number is this? _____

Element	General Appearance	Properties/Reactions	Uses
Helium			
Neon			
Argon			
Krypton			

Transition Metals and Other Important Elements

Element	General Appearance	Properties/Reactions	Uses
Hydrogen			
Gold			
Silver			
Mercury			
Oxygen			
Sulfur			
Tin			
Uranium			
Silicon			
Nitrogen			

- 1) How is the modern periodic table organized?
- 2) What happens to the size of a metallic atom when it becomes a positive ion?
- 3) What happens to the size of a non-metallic atom when it becomes a negative ion?
- 4) Why is Hydrogen in group 1 if it is not a solid and does not look like an Alkali metal?