



Periodic Table 101 Guided video notes

Organization of the Elements

- Periodic Table 1st organized by _____ in the 1860's
 - There were only _____ known elements.
 - First organized by _____ and _____ now by _____
 - There were gaps in the table because other _____ had not yet been discovered.

Periodic Law

- Elements are organized by _____ and similar _____
- Also organized by metals, _____
 - **Metals** tend to be _____ at room temperature
 - **Nonmetals** tend to be _____ at room temperature
 - Exception – Hydrogen is a _____ at room temperature
 - **Metalloids** are also called _____
 - have properties of _____

Periods

- Each row is called a _____
- From _____ elements become less _____ as you go across the _____

Groups

- Each column is called a _____
- Each group has the same number of _____
- Because of the valence electrons each group has similar chemical _____
 - (Valence electrons & _____)

Now flip over to the back and follow the instructions I give in the video to setup and customize your periodic table.

Periodic Table																	
													18				
1 H Hydrogen 1.01	2 He Helium 4.00																
Key Atomic number — 29 Element symbol — Cu Element name — Copper Average atomic mass — 63.55																	

Group Names: Group 1 = Alkali metals Group 2 = Alkaline earth metals,
 Group 3-11 = Transition metals Group 13 = The Boron family Group 14 = The Carbon family
 Group 15 = The Nitrogen family Group 16 = The Oxygen family Group 17= The Halogens
 Group 18 = The Noble Gases

Periodic Table Quiz

1. What is the periodic table 1st arranged by? _____
2. Who invented the periodic table? _____
3. Why were there gaps in the periodic table? _____
4. What two things do elements in the same group have in common? _____
5. Elements become less _____ as you move from left to right on the periodic table.
6. The three main types of elements on the periodic table are _____
7. Another name for metalloids is _____
8. Each row on the periodic table is called a _____

Created By Chivas and Jordan Spivey

fatheroninnovations.com