# Sept 10, 2019

- Review terms from yesterday
- Periodic Table explained

## Warm-Up

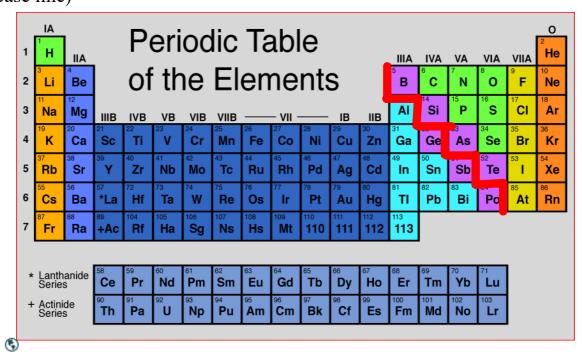
- 1. Classify each of the following as a pure substance or mixture.
  - a) soapy water
  - b) sodium chloride
- 2. Classify each of the following as a physical or chemical property.
  - a) gasoline is a clear pink solution
  - b) water boils at 100°C
  - c) gasoline burns in air
- 3. Classify each of the following as an element or compound.
  - a) hydrogen
  - b) potassium carbonate
  - c) Mg

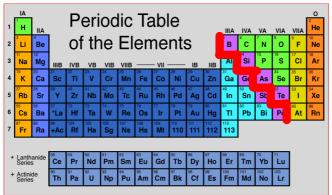
### The Periodic Table of Elements



<u>Periodic table</u> - a structured arrangement of elements that help us explain and predict physical and chemical properties.

<u>Metals</u> are generally located on the left, while the <u>non-metals</u> are located on the right side of the table. (staircase line)





Elements in the same column (down) are called a group. Ex: Li, Na, K, Rb, Cs and Fr are in a group.

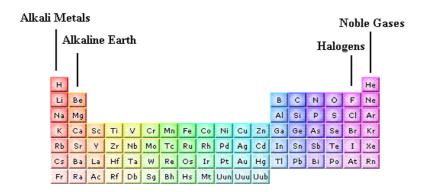
Rows on a periodic table (across) are called periods. Ex. Going across from lithium to neon

In your textbook periodic table, gases (g) are red, liquids (l) are blue and solids (s) are black.

What state are most elements on the periodic table??

#### Important Groups to know:

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Alkali metals (group 1) Alkaline earth metals (group 2)
The halogens (group 17) Noble gases (group 18)
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Group 1 are the most reactive and Group 18 are the least reactive elements on the periodic table.

## Periodic Table Worksheet

S10 answers pg 187 #1-4.doc answers pg 187 #1,2,4.doc