**Cambridge IGCSE® (preAICE) Chemistry – Summer Assignment**

**Mrs. Rodriguez & Mrs. Bromley**

By the end of the first week of school, ***Friday, August 18th, 2017***, every Cambridge preAICE Chemistry student SHOULD have completed the following:  
 **Review the subset of element names and chemical symbols from the Periodic Table of Elements**

Students will visit [www.quizlet.com](http://www.quizlet.com) and type “*Mrs. Bromley Element Symbols*” into the search bar, or simply click on this link <https://quizlet.com/_eynlf> This set of online flashcards contains the element names and symbols for the first 36 elements and 6 (six) other common metals (Barium, Silver, Gold, Tin, Mercury & Lead). Student mastery of these elements names and their corresponding chemical symbols is essential to their success in **preAICE Chemistry (and beyond)**. The list of elements to memorize **has also been attached**, if one cannot gain access to this list online.

**A few important things to note…**

* *Quizlet* can be downloaded as an “app” on iPhones and other smartphones
* In addition to the ‘flashcard feature’, *Quizlet* utilizes a number of games that can be played to learn the Element names and their corresponding chemical symbols.
* Pay particular attention to the **spelling** of each element; some of them are very similar.
* Pay particular attention to the **capitalization** of each chemical symbol: ***CO*** is ***not*** the same as ***Co***.
* Many element chemical symbols come from the **Latin name** for the element. For example, the chemical symbol for Gold is Au; this comes from the Latin for Gold, which is *aurum*. **Learning the Latin names/roots for the element symbols that are not directly connected to their Element names on the periodic table would be most helpful.**
* **Students can expect an “Element Symbols” assessment on Friday, August 18th, 2017**
* **We welcome your questions at** [**jbromley@pasco.k12.fl.us**](mailto:jbromley@pasco.k12.fl.us) **or** [**jegarcia@pasco.k12.fl.us**](mailto:jegarcia@pasco.k12.fl.us)

 

1. **H**   Hydrogen
2. **He**   Helium
3. **Li**   Lithium
4. **Be**   Beryllium
5. **B**   Boron
6. **C**   Carbon
7. **N**   Nitrogen
8. **O**   Oxygen
9. **F**   Fluorine
10. **Ne**   Neon
11. **Na**   Sodium
12. **Mg**   Magnesium
13. **Al**   Aluminum
14. **Si**   Silicon
15. **P**   Phosphorus
16. **S**   Sulfur
17. **Cl**   Chlorine
18. **Ar**   Argon
19. **K**   Potassium
20. **Ca**   Calcium
21. **Sc**   Scandium
22. **Ti**   Titanium
23. **V**   Vanadium
24. **Cr**   Chromium
25. **Mn**   Manganese
26. **Fe**   Iron
27. **Co**   Cobalt
28. **Ni**   Nickel
29. **Cu**   Copper
30. **Zn**   Zinc
31. **Ga**   Gallium
32. **Ge**   Germanium
33. **As**   Arsenic
34. **Se**   Selenium
35. **Br**   Bromine
36. **Kr**   Krypton
37. **I**   Iodine
38. **Ag**   Silver
39. **Au**   Gold
40. **Hg**   Mercury
41. **Pb**   Lead

42. **Sn** Tin

 43. **Ba** Barium

                                                                                                                                                                                                                                                                                                                                               