Honors Chemistry Summer Assignment
Due: No later than September 9, 2024

Chemistry Scavenger Hunt

Task:
This assignment is designed to give you a preview of what you will be learning in honors chemistry and to show you the relevance of chemistry to your life. We also hope that you will have some fun in completing this project. Listed on the back of this assignment are descriptions of items related to a chemistry term/topic. You are to find an example of **25** of these items and take a picture of you with the item. You will then upload the pictures to a Google Doc and include a short description of the item that states ***how*** this item fits a particular category. You will then submit your assignment to our Google Classroom **no later than September 9, 2024**. You can earn extra credit (up to 10 points) for identifying other descriptions that may apply to some of your 25 items. Each picture must be labeled with the number(s) that they represent and placed in numerical order to facilitate grading.

Grading:

- You will receive one point for each picture and two points for an adequate explanation of ***how*** this item fits a particular category.
- One point extra credit (up to 10 points) will be added for each additional category identified that the same item "fits", given an adequate explanation.
- Twenty-five points will be awarded for proper formatting (i.e. clear pictures, in numerical order, with accompanying explanation to the right of the picture, any additional category and number noted in the explanation.)
- You should be able to fit 3 - 4 pictures and explanations on each page.
- Note that your project must include ***photographs*** of ***both you --with your face showing-- and the item***!

Follow the example shown below.

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1. This picture shows a chemistry teacher using a flask and a test tube. Both the flask and the test tube are examples of #1 samples of glassware because they are made of glass. This is also an example of a #5 a sample that is transparent because you are able to see clearly through glass.

REMINDER: The project must be a Google Doc submitted to our Google Classroom. Once you begin Honors Chemistry in the fall, your teacher will instruct you to submit your assignment to your Honors Chemistry Google Classroom.

😎 **ENJOY THE "HUNT" FOR ITEMS AND HAVE A GREAT SUMMER!** 😎

Description of Items:

1. Something malleable
2. Something containing the element “S”
3. A newspaper article or cartoon with a chemistry theme
4. Something with a density greater than 1.00 g/cm^3
5. A container with the SI unit for volume.
6. Result of a chemical change
7. Allotropic form of carbon
8. An ionic compound
9. A homogeneous mixture
10. Dilute acetic acid solution
11. Sample of the element “Al”
12. Something with a pH of greater than 7
13. Food source of the element “Cr”
14. Sample of a hydrocarbon
15. Something containing the element “K”
16. A polymer
17. A sample of a heterogeneous mixture
18. Silicon dioxide
19. An example of a nonpolar molecule
20. Sample of something brittle
21. Food source of the element “Mn”
22. An electrochemical cell
23. An electrolyte
24. A container with the SI unit for mass
25. Sample of an electrical conductor
26. Sample of the element “Cu”
27. A food source of selenium
28. Something containing a noble gas
29. Substance with a pH of 7
30. Something containing sodium hypochlorite
31. Something that sublimes
32. Substance containing titanium IV oxide
33. Sucrose
34. A product containing an element with 30 protons
35. Beta carotene
36. Substance with a boiling point below that of water
37. Acetylsalicylic acid
38. A carcinogen-containing product
39. An example of a colloidal suspension
40. Sodium hydrogen carbonate
41. Something with a pH of less than 7
42. A United States penny made of all copper
43. A solid solution
44. A covalent compound
45. Substance which contains a polyatomic ion
46. Substance that dissolves endothermically
47. 6.02×10^{23} of anything
48. Something that lowers the freezing point of water
49. An example of a transition element
50. An example of a polar molecule