C1S6 – Metals and Nonmetals Lab

If you are looking at this work, it means that you were absent for the lab, and you are trying to make-up the lab virtually. Please use google to answer the properties of each material (mentioned below). I have completed for Copper (Cu), and Glass. You must complete the table for all other materials (highlighted in yellow) and the inference. You have the option to type the answers as a word document and after completing, please upload on Focus or email the teacher. If you have any questions while completing this virtual lab, please text me through Remind.

1. Objective:

To identify the metals from nonmetals by categorizing the properties both physical and chemical.

1. Materials Required:

Sample of Cu, Glass, Al, Chalk, Graphite, Si, Sn, Zn, Electrical conductivity meter and a screw.

1. Procedure:

Write the procedure you included to complete the table/chart found below in your own words.

1. Table/ Chart:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Sample | Luster | Electrical Conductivity | Malleability | Reactivity | Ductility | Color |
| Cu | Yes | High | Yes | Yes | Yes | Bronze |
| Glass | Yes | No | No | No | No | Clear  |
|  |  |  |  |  |  |  |

This is just a sample of my expectation but please include all the other materials listed in the “Materials Required” sub-heading.

1. Inference:

The following are categorized as metals- X, Y, Z

The following are categorized as nonmetals – A,B,C

(Note: If the sample exhibited “Yes” to all properties then it is categorized as a metal. If the sample had even one “NO”, then it is categorized as a nonmetal)

Once you have completed the lab, check for the following:

1. Heading for the lab.
2. Objective.
3. Materials required.
4. Procedure
5. Table /Chart
6. Inference.