|  |  |  |  |
| --- | --- | --- | --- |
|  | **Science 9**  **Safety and Scientific Method Practice Quiz** |  | **Name:**  **Date: Block:** |

1. List two safety rules regarding protective clothing in the lab
2. If you notice that a beaker you are about to use has a crack in it, what should you do?
3. List two safety rules regarding working with chemicals
4. What does W.H.M.I.S. stand for?
5. Name the following W.H.M.I.S. symbols

|  |  |  |  |
| --- | --- | --- | --- |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

1. What are the steps of the scientific method?
2. Lucas wants to know if phone usage right before bed is affecting the quality of his sleep. He will conduct the experiment throughout five school nights, increasing his phone usage from 0.5 hours to 2.5 hours of continuous usage right before he sleeps, and counts how many times he wakes up during the night.  
   1. What is the independent variable?
   2. What is the dependent variable?
   3. What are two controls in this experiment?
   4. Write a hypothesis for this experiment

If... \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Then …. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Make a quantitative and qualitative observation about this picture.

Quantitative:

Qualitative:

1. Identify the following equipment by using the word bank.

|  |  |  |  |
| --- | --- | --- | --- |
| A. Scoopula | D. Graduated cylinder | G. Erlenmeyer flask | J. Digital scale |
| B. Funnel | E. Bunsen burner | H. Eyedropper | K. Safety glasses |
| C. Beaker | F. Test tube | I. Test tube brush | L. Hot plate |

|  |  |  |
| --- | --- | --- |
| \_\_\_\_\_\_ i.  images.png | \_\_\_\_\_\_ ii.  download.jpg | \_\_\_\_\_\_ iii.  images.png |

\_\_\_\_\_\_ iv. Used for scooping dry chemicals

\_\_\_\_\_\_ v. Used for measuring mass

\_\_\_\_\_\_ vi. Used for holding small amounts of liquids