

Key Q's and Vocab: Lab Safety – GHS Pictograms and NFPA diagram

These should be copied by hand into your CHILL ☺

Vocab:

1. Properties of matter - descriptions of matter (passive)
2. Intensive properties – these are physical properties that depend of the identify of matter and not the amount
3. Extensive Properties – these are physical properties that depend on the amount of substance present and not the identity
4. Physical properties – there are physical descriptions of matter and must be further classified as intensive or extensive
5. Chemical properties – describe how a substance will react
6. Changes in matter – actions that are happening
7. Physical changes – changes in matter (actions) that will change physical properties bu not alter the identity of the substance so chemical properties will remain the same
8. Chemical changes – occur when a substance undergoes a reaction and forms a new subatance with new properties.

Key Questions (answer these in a different color ink):

1. Why is it nearly impossible to identify matter based solely on extensive properties.
2. Explain why density is an intensive property and not extensive. (hint: does the density change when a piece of substance is cut in half?)
3. During a change it is observed that the matter changes from a solid to a liquid and the volume of the substance increases. All of chemical properties of the matter remain the same. Justify what type of change occurred.