

Study Guide Questions

******NOTE – You should look in your book if you are struggling to answer some of these questions. The book should be on your flashdrive!**

1. What is matter?
2. What is the difference between a chemical change and a physical change?
3. How do you know if a physical change occurs?
4. How do you know if a chemical change occurs?
5. Determine whether the following is a chemical or physical change.
 - a. Cracking an egg
 - b. Burning a candle
 - c. Melting butter
 - d. Breaking a pencil in half
 - e. Freezing ice cubes
 - f. A nail rusting
6. List the SI base units for the following:
 - a. Length
 - b. Mass
 - c. Time
 - d. Amount of Substance
7. How is a homogeneous mixture different from a heterogeneous mixture?
8. In terms of molecules, what is the difference between a solid, liquid and gas?
9. Define accuracy and precision. Use an example to further define these terms.
10. Make a Concept map using the following words: matter, substance, mixture, homogenous, element, heterogeneous, compound.