

Chapter 2: Standard Review Worksheet

1. What are some of the different types of matter? How do these types of matter differ, and how are they the same?
2. What is the difference between a chemical property and a physical property?
3. What is the difference between a chemical change and a physical change?
4. Classify each of the following as a chemical or physical property or change.
 - a. Table salt dissolves in water.
 - b. Water boils at 100°C.
 - c. You bake a cake.
 - d. A tree is struck by lightning.
5. Explain the difference between an *element* and a *compound*.
6. What is the difference between a *mixture* and a *solution*?
7. Are all elements pure substances? Are all compounds pure substances?
8. Are mixtures pure substances? Are solutions pure substances?
9. Explain the processes of *filtration* and *distillation* in your own words.