Chapter 3: Changes in Matter Study Guide

Vocabulary:

1. Atom- The smallest possible particle of an element
2. Compound- A substance made of two or more kinds of atoms that are combined chemically
3. Element- A substance made of just one kind of atom.
4. Matter- Anything that takes up space and has mass.
5. Chemical Change- A change that results in the formation of new substances.
6. Physical Property- A trait of a substance by itself.
7. Physical Change- A change that does not result in a new substance.
8. Chemical Property- A property that involves how a substance interacts with other substances.
9. Give an example of something that is not matter.
10. What is an element? List three examples of elements.
11. What is a compound? List two examples of a compound.
12. List 3 physical properties of metal.
13. When you heat water until it becomes a gas. How would you identify this change?
14. Give an example of a chemical reaction.
15. Describe 3 chemical properties of a substance.
16. If a boy dissolved a big spoonful of salt in a glass of water would you describe this change as a physical change or a chemical change? Explain
17. What would happen to a nail in a jar if you added water to it and observed it over a period of 3 weeks?