**Review Activity for Chemistry I**

1. What is the complete definition of chemistry?
2. What are the six branches of chemistry?
3. What is studied under each branch of chemistry?
4. What is the difference between basic and applied research?
5. What is the purpose of technological development?
6. What is the difference between intensive and extensive properties?
7. Give three intensive properties of a baseball
8. Give three extensive properties of a baseball.
9. Give three physical properties of a baseball.
10. What are three ways you could physically change a baseball?
11. What are the six changes of state and is energy absorbed or released during each?
12. What is the difference between physical and chemical changes? Give one way you could physically change the ball you are holding?
13. What is the difference between a heterogeneous and homogeneous mixture? Is the ball a homogenous or heterogeneous mixture and how do you know?
14. What is a pure substance? Give two examples.
15. What are groups and periods of the periodic table? What do the elements in a group share?
16. How many groups and periods are there on the periodic table?
17. Where are the lanthanide and actinide elements located?
18. What is the difference between a metal and a nonmetal?
19. Give three properties of metals?
20. Give three properties of nonmetals?
21. What are metalloids and where are they located on the periodic table?