**Bonus Quiz: Topics in Chemistry, Quarter 1**

Please answer the following questions. If your score on this quiz is better than one of your previous quiz scores, it will replace that quiz grade. If your score on this quiz is worse than all of your previous quiz scores, it will not. Either way, *there is no way your grade can be hurt, no matter what you score on this quiz*.

1) Name three pieces of safety equipment in our classroom (6 pt):

2) What is the law of conservation of mass? (4 pt)

3) Which group on the periodic table has each of the following properties? (1 pt each)

* This group is the most reactive group of metals.
* This group is the most reactive group of nonmetals.
* This group reacts with nearly no other elements.
* This large group tends to be unreactive, hard, have a high melting point, and be used for the construction of large buildings.
* This group of elements is largely manmade and radioactive.
* Of metals, nonmetals, and metalloids, which is most likely to be a gas?

4) What is the difference between an independent variable and dependent variable? (4 pt)

5) What is the difference between qualitative and quantitative data? (4 pt)

6) What are the six steps of the scientific method? (6 pt)