For today’s lesson I want you to research and study a few concepts on your own before we review them as a class. Using a **textbook**, the **Internet**, and my **lecture slides** please answer each of the following classes in your composition notebook. Refer to my PowerPoint **5.2\_STP** if you need more help (this can be found on my google drive).

1. What is the definition of **temperature**?
2. What are the two main temperature scales that we use to measure temperature?
3. At what temperature in Celsius is freezing? Boiling?
4. STP stands for Standard Temperature and Pressure, what is the temperature and pressure at STP?
5. What is absolute zero?
6. What happens to molecules at absolute zero?
7. How do you convert between Celsius and Kelvin?

*Practice converting between Celsius and Kelvin in the following problems:*

1. It is 33 oC outside, what is this temperature in Kelvin?

2. If I have something at 298 K, what temperature is it in Celsius?

3. You measure a reaction at 1250 oC, what is the temperature in Kelvin?