**CHE 2060: Pre-lab quiz for distillation of wine - KEY**

*Due upon your arrival in lab.*

*Read the lab materials and the text and search engines to find answers to these questions.*

1. What is the quantitative chemistry and how does it differ from qualitative chemistry?

2. What physical property is the basis of distillation?

3. What is the difference between simple and fractional distillation?

4. What are the critical components of a distillation apparatus and what part does each play?

5. Where should the thermometer’s bulb be set in a distillation apparatus?

6. What are boiling chips and what do they do?

7. How is percent by volume calculated?

8. Why does the temperature rise as distillation proceeds?

9. What is a hydrometer and what does it do?

10. What is the specific gravity of alcohol? Of water?