**CHE 2060: Pre-lab quiz for extraction of caffeine**

*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 an alkaloid?

2. What is the structure of caffeine? Draw its Lewis structure here.

3. What are the psychoactive and physiological effects of caffeine?

4. What advantage does production of caffeine give to coffee plants?

5. How does the solubility of caffeine in water change with temperature? Find numeric values!

6. What does the term ‘partition’ mean in chemistry?

7. What do the terms miscible and immiscible mean?

8. What is sublimation?

9. At what temperature does caffeine sublimate?

10. What is caffeine’s melting point?