**Student Transformation Homework Questions**

1. What is DNA transformation?

2. How can we make bacterial cells like *E. coli* competent? (briefly describe the process).

3. What is a plasmid? What is the name of the plasmid we will be using in our bacterial transformation lab? What genes does it carry?

4. Where did the pGreen gene come from?

5. List factors that are essential for bacterial growth

6. List factors that could inhibit bacterial growth (cause bacteria not to grow)

7. Predict which plates should show growth and which plates should not.