**Laboratory Learning Outcomes and Objectives**

**Laboratory 2: INTRODUCTION TO MICROBIOLOGY: DOMAINS ARCHAEA, BACTERIA AND KINGDOM PROTISTA**

*After completion of this laboratory session, and with 70% accuracy on the first laboratory quiz, the student should be able to:*

1. Describe the distinguishing features of members of the Archaea and Bacteria domains
2. Explain how bacteria are characterized
3. Describe differences between bacteria and cyanobacteria
4. Explain and contrast binary fission and conjugation
5. Discuss the distinctive features of each group of algae and protozoans
6. Understand the economic importance of algae
7. List examples, habitats, reproductive methods, and unique features of the phyla of Kingdom Protista
8. Answer the review questions at the end of the exercises