**Laboratory Learning Outcomes and Objectives**

**Laboratory 7**: **ZOOLOGY PART II: KINGDOM ANIMALIA - LOWER INVERTEBRATES (CONTINUED)**

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

1. Discuss anatomical characteristics that distinguish acoelomates, pseudocoelomates and coelomates
2. Discuss anatomical characteristics of cephalization and segmentation
3. Describe the general morphology of roundworms and rotifers
4. List characteristics present in roundworms that are more advanced than those of more primitive phyla
5. Describe the general morphology of organisms of the phylum Annelida and phylum Mollusca
6. List the characteristics that annelids and mollusks share with Platyhelminthes and Nematoda
7. Discuss the characteristics of annelids and mollusks compared to more primitive phyla
8. List examples of the major classes of annelids and mollusks
9. Answer the review questions at the end of the exercises