

LAB RESPONSIBILITY SHEET – EXERCISES 2 & 3

Exercise 2

Microscopy

- Know the steps in caring for the microscope
- Be able to name the parts of the microscope and know their function. (Fig. 2.1)
- Know the proper procedures for transporting and using the microscope.
- Be able to calculate total magnification based on lenses being used.
- Be able to answer review questions 1, 3-5, and 7-12 (do NOT hand these in).

Exercise 3

Cell Structure and Function

- Know the parts of a cell and be able to identify them on the models in lab or the diagram in Fig. 3.1.
- Know the parts of the cell membrane Fig. 3.2
- Know the parts of the cell cycle and what takes place in each one Fig. 3.4
- Know the difference between mitosis and cytokinesis.
- Be able to answer review questions 1-13, 15, 16, 20, 21, 30 (do NOT hand these in).