Lab 8 To Do List

Lab Manual Exercise 11 —Muscle Histology

Muscle Histology Model with Neuromuscular Junction

Activity 1, Step 1 only, Activity 3, Step 1

See List for structures which you are responsible for, and compare to Fig. 11.2, 11.5

Activity 2, Skeletal Muscle Organization (slide)

Look for areas in which there are bundles of muscle fibers cut in cross section to identify fascicles and connective tissue sheaths.

Activity 3, Step 2 — Neuromuscular Junction — Demo slides

Lab Manual Exercise 12 — Skeletal Muscles

Activities 1-2: Muscles of the Head, Neck and Torso

See List for muscles for which you are responsible.

You will be responsible for identifying the muscles on models, knowing their general insertion and origin points (i.e. know the bones but not the specific markings), and the main actions (blue text in the lab manual tables).

If Time Permits — Continue with Activities 3-4, using the Muscle Man models to study the proximal limb musculature.

Exercise 11 Questions

Draw a cross section of skeletal muscle labeling a fascicle and the connective tissue sheaths and a motor unit with several terminal boutons (neuromuscular junctions).

Answer **Review Questions 5, 6, 8**

Exercise 12 Questions

Answer **Review Questions 3-4**, but only for those muscles on your list

Fill in first two columns ('Location,' 'Description') of Muscle Review Chart for the head-and-neck model and torso muscles of the Muscle Man, based on your observations; if there is time, complete the remaining columns