BIO130 Lab 10 Nervous System

Exercises 17, 21 and 22 in 8th, 9th, and 10th Editions

Exercises 15, 19, 20, and 21 in 11th & 12th Editions

Nervous Tissue
Spinal Cord
Spinal Nerves
Reflexes

Neuron
Similar to Figure 17.2 in 8th, 9th, 10th
Similar to Figure 15.2 in 11th & 12th editions

Synapse
Similar to Figure 17.2 in 8th, 9th, 10th
Similar to Figure 15.2 in 11th & 12th editions

Myelinated axons
Similar to Figure 17.3 & 17.4 in 8th, 9th, 10th
Similar to Figure 15.3 & 15.4 in 11th & 12th editions

Nerve
Figure 17.7 in 8th, 9th
Figure 17.8 in 10th
Figure 15.8 in 11th & 12th editions

Spinal Cord
Figure 21.2 in 8th, 9th, 10th
Figure 19.2 in 11th edition
Figure 19.3 in 12th edition
Spinal Cord

Similar to Figure 21.5 in 8th, 9th
Similar to Figure 21.2 in 10th
Similar to Figure 19.2 in 11th edition
Similar to Figure 19.1 in 12th edition

31 Pair Spinal Nerves

Similar to Figure 21.5 in 8th, 9th, 10th
Similar to Figure 19.5 in 11th edition
Similar to Figure 19.6 in 12th edition

Cervical Plexus

Figure 21.6 in 8th, 9th, 10th
Figure 19.6 in 11th edition
Figure 19.7 in 12th edition

Figure 21.7 in 8th, 9th, 10th
Figure 19.7 in 11th edition
Figure 19.8 in 12th edition

Brachial Plexus

Figure 21.8 in 8th, 9th, 10th
Figure 19.8 in 11th edition
Figure 19.9 in 12th edition

Lumbar Plexus

Figure 21.8 in 8th, 9th, 10th
Figure 19.8 in 11th edition
Figure 19.9 in 12th edition

Sacral Plexus

Figure 21.9 in 8th, 9th, 10th
Figure 19.9 in 11th edition
Figure 19.10 in 12th edition
Reflex = rapid automated response to a stimulus

Figure 22.1 in 8th, 9th, 10th
Figure 15.7 in 11th & 12th editions