Comparative Vertebrate Anatomy

Sample Laboratory Assignment

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**Answers to Laboratory Objectives**

**Chapter 3**

2 points 1. Classify Amphioxus (=Branchiostoma) in the appropriate phylum and subphylum. Phylum Chordata, Subphylum Cephalochordata

**Chapter 14**

2 points 1. Classify lampreys in the appropriate phylum and subphylum. Phylum

Chordata, Subphylum Vertebrata

2 points 2. What is the difference between the terms myotome and myomere? Myomere – muscle segment in adult form. Myotome – muscle segment in an immature form.

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Diagram

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**References**

Fishbeck, D.W. & Sebastiani, A.M (2015).*Comparative Anatomy Manual, of Vertebrate Dissection, 3rd Edition*. Morton Publishing Company.

Swislosky, E. & Roosa, K. (2017). *Atlas of Comparative Anatomy*. Lumen Learning. <https://louis.oercommons.org/courses/atlas-of-comparative-vertebrate-anatomy/view>