

# Cold-Blooded Vertebrates: 3/7 – 4/13

**Unit Goal: Learn the structures, functions, and classification of the cold-blooded organisms in phylum chordata (subphylum vertebrata).**

**Unit Assessment: Thursday, April 13th**

Page	Date	Goal & Materials
82-83	T - 3/7 & W - 3/8	<p><b>What characteristics do vertebrates share? What are the classes of cold-blooded vertebrates?</b></p> <ol style="list-style-type: none"> <li>G01 Comparative Anatomy Part 1 – Answer the questions on your own. Turn in on classroom.</li> <li>G02 Intro to Vertebrates (1p) – Questions/Graphic Organizer go on page 83.</li> <li>G03 The Cold-Blooded Vertebrates (11:52) – Introduces you to the animals in this unit. And to symmetry. Take notes on page 83.</li> <li>G04 Symmetry output – Complete on page 82 in your notebook.</li> </ol>
84	R - 3/9	<p><b>How do cold-blooded vertebrates reproduce?</b></p> <ol style="list-style-type: none"> <li>G05 Reproduction Reading (2p) – Questions/Graphic Organizer go on page 84.</li> <li>G06 Reproduction Notes (4:52) – Take notes on page 84.</li> </ol>
85	F - 3/10	<p><b>How do cold-blooded vertebrates grow and develop?</b></p> <ol style="list-style-type: none"> <li>G07 Development Reading (3p) – Questions/Graphic Organizer go on page 85.</li> <li>G08 Development Notes – Take notes on page 85.</li> </ol>
	M - 3/13  IAR	<p><b>What characteristics do vertebrates share?</b></p> <ol style="list-style-type: none"> <li>G09 Frog Life Cycle (6:57) – an up-close look at metamorphosis.</li> <li>G10 Comparative Anatomy Part 2 – Answer the questions on your own. Turn in on classroom.</li> </ol>
86	T – 3/14	<p><b>How do cold-blooded vertebrates support and move themselves?</b></p> <ol style="list-style-type: none"> <li>G11 Skeletons Reading (3p) – Questions/Graphic Organizer go on page 86.</li> <li>G12 Support and Movement Notes (8:21) – Take notes on page 86.</li> <li>G13 Swim Bladder Video (4:42) – an up-close look at the swim-bladder.</li> </ol>
87	R – 3/16  IAR	<p><b>How do cold-blooded vertebrates obtain oxygen?</b></p> <ol style="list-style-type: none"> <li>G14 Gas Exchange Reading (2p) – Questions/Graphic Organizer go on page 87.</li> <li>G15 Gas Exchange Notes (5:02) – take notes on page xx.</li> </ol>
88	F – 3/17  IAR	<p><b>How do cold-blooded vertebrates get oxygen to their cells?</b></p> <ol style="list-style-type: none"> <li>G16 Circulation Reading (2p) – Questions/Graphic Organizer go on page 88.</li> <li>G17 Heart Notes (8:23)– take notes on page xx.</li> </ol>
89	W – 3/22 & R – 3/23	<p><b>What characteristics do vertebrates share?</b></p> <ol style="list-style-type: none"> <li>G18 Comparative Anatomy Part 3 – Answer the questions on your own. Turn in on classroom.</li> <li>G19 Cold-Blooded Vertebrates Organizer – Use your notes from the unit so far to complete the organizer and venn diagram. Attach to page 89 when completed.</li> </ol>
90	F – 3/23 & M – 4/3	<p><b>Am I ready to dissect a Yellow Perch (<i>Perca flavescens</i>)?</b></p> <ol style="list-style-type: none"> <li>G20 Fish External Anatomy (6:27) – The notes for this are on paper. You will attach them to page 90 when you are finished with them. This video covers half of the notes.</li> <li>G21 Fish Internal Anatomy (5:59) – Finish the fish notes using this video &amp; attach to page 90.</li> <li>G22 Dissection Procedure (6:22) – Watch the video, the whole video. If you haven't watched the entire video, you will be unable to participate in Monday's lab.</li> <li>G23 Fish Dissection pre-quiz – Open Notes. Earn 70% or higher to participate in the dissection. Must be completed before the end of class on 4/3.</li> </ol>

Page	Date	Goal & Materials
	T – 4/4	<p><b>Can I identify the organs and structures of a bony fish?</b></p> <p>G24 Fish Dissection – class lab. To participate, all fish work must be complete, and you must have earned &gt; 70% on the fish dissection pre-quiz. If you are not participating, you should do the alternate lab.</p>
91	W – 4/5 & R – 4/6	<p><b>Am I prepared to dissect a Leopard Frog (<i>Rana pipiens</i> / <i>Lithobates pipiens</i>)?</b></p> <ol style="list-style-type: none"> <li>G25 Frog External Anatomy (5:18) – Use this video to fill out a portion of the anatomy notes (on paper). You will attach the anatomy notes to page 91 as a flip-page when you finish them.</li> <li>G26 Frog Internal Anatomy (7:08) – Complete the anatomy notes. Attach to page 91 as a flip-page when finished.</li> <li>G27 Frog Dissection Procedure (3:24) - How to complete the frog dissection.</li> <li>G28 Frog Dissection Pre-Quiz – Open Notes. Earn 70% or higher to participate in the dissection. Must be completed before the end of class on 4/6.</li> </ol>
	M – 4/10	<p><b>Can I identify organs and body structures of a Leopard Frog (<i>Rana pipiens</i> / <i>Lithobates pipiens</i>)?</b></p> <p>G29 Frog Dissection - Class lab. To participate, all quarter work must be complete, and you must have earned &gt; 70% on the pre-quiz. If you are not participating, you should do the alternate lab.</p>
92	T – 4/11	<p><b>What adaptations enable reptiles to live on land?</b></p> <ol style="list-style-type: none"> <li>G30 Land adaptations Reading (6p) – Read to answer the above question.</li> <li>G31 Land Adaptations Output – On paper. Attach to page 92 when complete.</li> </ol>
	W – 4/12	<p><b>Am I ready to demonstrate my understanding of cold-blooded vertebrates?</b></p> <p>You will have half the class period to wrap up any unfinished business in this unit. The other half, we will review for tomorrow's test.</p>
	R – 4/13	<p><b>What did I learn?</b></p> <p>Unit test is today.</p>