

FROG DISSECTION LAB

EXTERNAL ANATOMY

1. Observe the dorsal and ventral sides of the frog.

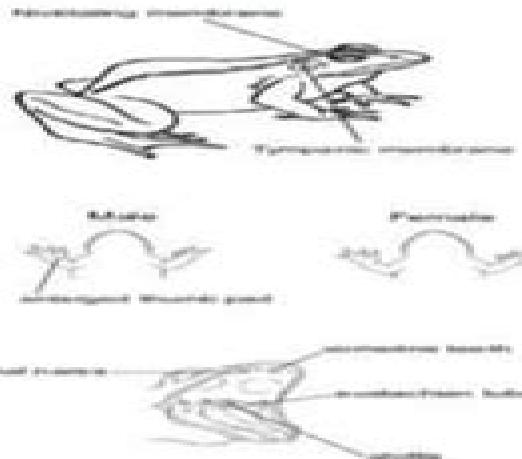
Dorsal side color _____

Ventral side color _____

2. Examine the hind legs. How many toes are present on each foot? _____ Are the toes webbed? _____

3. Examine the forelegs. How many toes are present? _____ Are the toes webbed? _____ Male or female? (Hint: check thumb pad) _____

4. Use a ruler to measure your frog, measure from the tip of the head to the end of the frog's backbone (do not include the legs in your measurement). Compare the length of your frog to other frogs.



Your Frog (cm)	Frog 2	Frog 3	Frog 4	Frog 5	Average Length

5. Locate the frog's eyes, the **nictitating membrane** is a clear membrane that is attached to the bottom of the eye. Use tweezers to carefully remove the nictitating membrane. You may also remove the eyeball. What color is the nictitating membrane? _____ What color is the eyeball? _____

6. Just behind the eyes on the frog's head is a circular structure called the **tympanic membrane**. The tympanic membrane is used for hearing. Measure the diameter (distance across the circle) of the tympanic membrane. Diameter of tympanic membrane: _____ cm

7. Feel the frog's skin. Is it scaly or is it slimy? _____

Anatomy of the Frog's Mouth

Procedure: Pry the frog's mouth open and use scissors to cut the angles of the frog's jaws open. Cut deeply enough so that the frog's mouth opens wide enough to view the structures inside.

1. Locate the **tongue**. Play with the tongue. Does it attach to the front or the back of the mouth? _____ (You may remove the tongue)

2. In the center of the mouth, toward the back is a single round opening. This is the **esophagus**. This tube leads to the stomach. Use a probe to poke into the esophagus.

3. Close to the angles of the jaw are two openings, one on each side. These are the **Eustachian tubes**. They are used to equalize pressure in the inner ear while the frog is swimming.

Insert a probe into the Eustachian tube. To what structure does the Eustachian tube attach? _____

Nyc Frog Dissection Lab Manual

Burt Green Wilder

Nyc Frog Dissection Lab Manual:

A Laboratory Guide to Frog Anatomy Eli C. Minkoff, 2013-10-22 A Laboratory Guide to Frog Anatomy is a manual that provides essential information for dissecting frogs. The selection provides comprehensive directions along with detailed illustrations. The text covers five organ systems namely skeletal, muscular, circulatory, urogenital and nervous system. The manual also details a frog's major external and internal features. The book will be of great use to students and instructors of biology related laboratory course

Laboratory Guide for the Study of the Frog Bertram Garner Smith, 1917

Laboratory Manual for Introductory Zoology Clarke Courson Zeliff, 1948 **A Guide to Practical Work in Elementary Anatomy, Histology, and Experimental Physiology; Based Mainly Upon the Cat, Frog, and Menobranchus, and Serving as an Introduction to Human, Veterinary and Comparative Anatomy and Physiology** Burt Green Wilder, 1881

The Publishers Weekly, 1895 *The Frog, an Anurous Amphibian* John Sterling Kingsley, 1907 *Current Catalog*

National Library of Medicine (U.S.), First multi year cumulation covers six years 1965-70 *Current List of Medical*

Literature, 1942 **The Cumulative Book Index**, 1989 A world list of books in the English language *Publishers'*

Weekly, 1895 **Science Curriculum Resource Handbook**, 1992 **Index-catalogue of the Library of the Surgeon-General's Office, United States Army** National Library of Medicine (U.S.), Library of the Surgeon-General's

Office (U.S.), 1972 Collection of incunabula and early medical prints in the library of the Surgeon general's office U.S. Army Ser 3 v 10 p 1415-1436 *Catalog of Copyright Entries. Third Series* Library of Congress. Copyright Office, 1973

Index-catalogue of the Library of the Surgeon General's Office, United States Army Library of the Surgeon-General's Office (U.S.), 1925 *Medical Books and Serials in Print*, 1984 **AIBS Bulletin** American Institute of Biological

Sciences, 1962 **Journal of the Tennessee Academy of Science** Tennessee Academy of Science, 1967 **Report of the Reelfoot Lake Biological Station** Reelfoot Lake Biological Station, 1960 **General Program, Annual AIBS Meeting of Biological Societies** American Institute of Biological Sciences, 1966 *Subject Guide to Books in Print*, 1983

Nyc Frog Dissection Lab Manual Book Review: Unveiling the Power of Words

In some sort of driven by information and connectivity, the ability of words has become more evident than ever. They have the ability to inspire, provoke, and ignite change. Such could be the essence of the book **Nyc Frog Dissection Lab Manual**, a literary masterpiece that delves deep into the significance of words and their impact on our lives. Compiled by a renowned author, this captivating work takes readers on a transformative journey, unraveling the secrets and potential behind every word. In this review, we shall explore the book's key themes, examine its writing style, and analyze its overall affect on readers.

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