

FROG DISSECTION

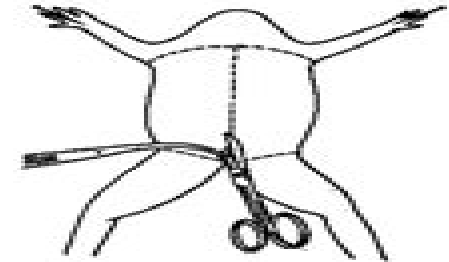


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Dissection Instructions

1. Place the frog in the dissecting pan ventral side up.
2. Use scissors to lift the abdominal muscles away from the body cavity. Cut along the midline of the body from the pelvic to the pectoral girdle.
3. Make transverse (horizontal) cuts near the arms and legs.
4. Lift the flaps of the body wall and pin back.

*If your specimen is a female, the body may be filled with eggs and an enlarged ovary. You may need to remove these eggs to view the organs.



Locate each of the organs below. Check the box to indicate that you found the organs.

Fat Bodies --Spaghetti shaped structures that have a bright orange or yellow color, if you have a particularly fat frog, these fat bodies may need to be removed to see the other structures. Usually they are located just on the inside of the abdominal wall.

☐

Peritoneum A spider web like membrane that covers many of the organs, you may have to carefully pick it off to get a clear view

☐

Liver--The largest structure of the the body cavity. This brown colored organ is composed of three parts, or lobes. The **right lobe**, the **left anterior lobe**, and the **left posterior lobe**. The liver is not primarily an organ of digestion, it does secrete a digestive juice called bile. Bile is needed for the proper digestion of fats.

☐

Heart - at the top of the liver, the heart is a triangular structure. The **left and right atrium** can be found at the top of the heart. A single **ventricle** located at the bottom of the heart. The large vessel extending out from the heart is the **conus arteriosis**.

☐

Lungs - Locate the lungs by looking underneath and behind the heart and liver. They are two spongy organs.

☐

Gall bladder--Lift the lobes of the liver, there will be a small green sac under the liver. This is the gall bladder, which stores bile. (hint: it kind of looks like a bogie)

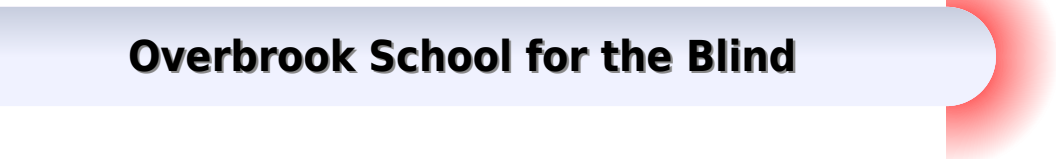
☐

Stomach--Curving from underneath the liver is the stomach. The stomach is the first major site of chemical digestion. Frogs swallow their meals whole. Follow the stomach to where it turns into the small intestine. The **pyloric sphincter valve** regulates the exit of digested food from the stomach to the small intestine.

☐

Frog Dissection Questions Answers

Overbrook School for the Blind



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Designing Learning for Tablet Classrooms Donovan R. Walling, 2014-02-04 The versatile cost effective technology of the tablet computer has proved to be a good fit with the learning capabilities of today's students. Not surprisingly, in more and more classrooms, the tablet has replaced not only traditional print materials but the desktop computer and the laptop as well. Designing Instruction for Tablet Classrooms makes sense of this transition, clearly showing not just how and why tablet-based learning works but how it is likely to evolve. Written for the non-technical reader, it balances elegant theoretical background with practical applications suitable to learning environments from kindergarten through college. A wealth of specialized topics ranges from course management and troubleshooting to creating and customizing e-textbooks from tablet use in early and remedial reading to the pros and cons of virtual field trips. And for maximum usefulness, early chapters are organized to spotlight core skills needed to negotiate the new design frontier, including Framing the learning design approach, Analyzing the learning environment, Designing learning that capitalizes on tablet technology, Developing activities that match learning needs, Implementing the learning design, Conducting evaluations before, during, and after. This is proactive reading befitting a future of exciting developments in educational technology. For researchers and practitioners in this and allied fields, Designing Instruction for Tablet Classrooms offers limitless opportunities to think outside the box. **Lecture-free**

Teaching Bonnie S. Wood, 2009 *Managing Challenging Behaviors in Schools* Holly Mariah Menzies, Allison L. Bruhn, 2010-01-01 No one knows the literature on challenging behavior better than Lane and her colleagues. This book translates that knowledge into practice in a way that teachers will benefit from tremendously. With a focus on both instructional and management variables associated with preventing and dealing with difficult behavior, the book provides concise, easy-to-follow explanations of interventions. It is a unique resource that preservice and practicing teachers will refer to often. Timothy J. Landrum, PhD, Department of Special Education, University of Louisville. I am extremely impressed with this book, including its content organization and the strong emphasis on workable, effective strategies for today's schools and classrooms. The strategies are presented in the context of a three-tiered model that allows teachers to specifically match student needs. I have not seen a resource of this type that is so well tailored to the needs of classroom teachers. Hill M. Walker, PhD, Codirector, Institute on Violence and Destructive Behavior, University of Oregon. Using the best evidence from research and practice, this comprehensive book presents a wealth of information for managing challenging behavioral difficulties in schools. Readers learn how to systematically plan and deliver approaches that increase in intensity of support. The strategies are described in a step-by-step format with consideration for different age groups of learners so that both new and experienced teachers can immediately apply them in their classrooms. As a text, this book would be an excellent addition to any teacher education, educational administration, or school psychology training program. It will also be an extremely useful professional development resource. Melody Tankersley, PhD, Special Education Program, Kent State University. This book

provides tested easy to implement strategies for preventing problem behavior in the classroom and responding effectively when it does occur Chapters describe specific steps that K 12 teachers and other school based professionals can take to develop effective classroom rules and routines plan suitably challenging instruction and promote student engagement and motivation Presenting a continuum of strategies from prevention to more intensive behavior supports the book offers clear cut instructions for implementing behavioral contracts self monitoring and functional assessment based interventions Special features include more than a dozen reproducible checklists selfassessment tools and planning forms the large size format facilitates photocopying

Immersive Learning Research Network Marie-Luce Bourguet, Jule M. Krüger, Daniela Pedrosa, Andreas Dengel, Anasol Peña-Rios, Jonathon Richter, 2023-10-30 This volume constitutes the refereed proceedings of the 9th International Conference of the Immersive Learning Network iLRN 2023 held in San Luis Obispo USA in June 2023 as a hybrid event The 26 revised full papers and 13 shprt papers presented in this volume were carefully reviewed and selected from 110 submissions The papers are organized in topical sections on foundations in immersive learning research and theory assessment and evaluation galleries libraries archives and museums inclusion diversity equity access and social justice STEM education language culture and heritage nature workforce development self and co regulated learning with immersive learning environments special track immersive learning across Latin America state of research use cases and projects

Apps for Learning Harry J. Dickens, Andrew Churches, 2011-10-20 Provides detailed descriptions of forty apps that can be used in high school classrooms

Biology, 1998

Technology for All Overbrook School for the Blind, 2001

Virtual, Augmented and Mixed Reality. Industrial and Everyday Life Applications Jessie Y. C. Chen, Gino Fragomeni, 2020-07-10 The 2 volume set of LNCS 12190 and 12191 constitutes the refereed proceedings of the 12th International Conference on Virtual Augmented and Mixed Reality VAMR 2020 which was due to be held in July 2020 as part of HCI International 2020 in Copenhagen Denmark The conference was held virtually due to the COVID 19 pandemic A total of 1439 papers and 238 posters have been accepted for publication in the HCII 2020 proceedings from a total of 6326 submissions The 71 papers included in these HCI 2020 proceedings were organized in topical sections as follows Part I design and user experience in VAMR gestures and haptic interaction in VAMR cognitive psychological and health aspects in VAMR robots in VAMR Part II VAMR for training guidance and assistance in industry and business learning narrative storytelling and cultural applications of VAMR VAMR for health well being and medicine

Infusing Technology in the K-5 Classroom Valerie Morrison, Stephanie Novak, Tim Vanderwerff, 2019-08-26 K 5 teachers will discover how to integrate the tech requirements found within today s academic standards into their everyday curriculum Perhaps your district provides current technology development for staff on a regular basis and has instructional coaches to help teachers infuse technology into their curriculum to meet various academic standards But in reality most districts don t have this kind of support In this book the first in a two book series you ll learn how to shift your instructional practice and leverage technology to meet today

s curriculum education standards for grades K 5 This book doesn t cover every K 5 national standard but identifies the standards with a technology component and provides resources and lessons to help you teach those standards effectively This book includes Classroom tested lesson ideas in English language arts math science and social studies mapped to ISTE and tech related standards to support college and career readiness Lists of technology embedded college and career readiness standards for each grade level along with practical ideas and up to date resources apps software and websites that can be used in meeting these standards Suggestions for addressing roadblocks to incorporating technology in the classroom Ways to incorporate staff development and parental support at the school level Access to a companion website with information on the tools referenced in the text With the implementation of these strategies you ll help your students become self directed and critical readers writers and thinkers so they re better prepared for the future Audience K 5 educators curriculum specialists tech coordinators **Activities for Using the Internet in Primary Schools** Eta De Cicco, Mike (Senior Lecturer Farmer, Claire Hargrave, 2014-01-27 This text guides primary staff to Internet sites of value to the national curriculum Key Stages 1 and 2 offering appropriate ways of using ICT in the classroom It contains practical activities information and advice on developing and supporting class activities

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