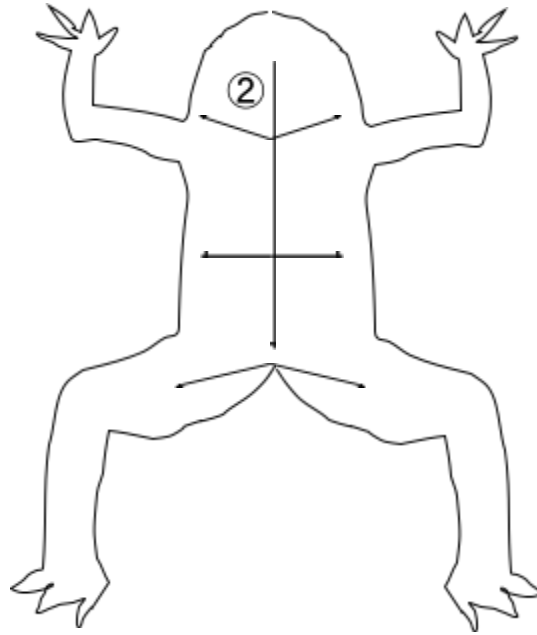


Frog Dissection Protocol

1. Collect Supplies
 - Tray, scalpel, blunt probe, tweezers, scissors
 - Apron, Gloves, goggles
 - Diagrams from your notebook
2. Collect Frog
3. External Observations- use your diagrams to identify all of the features on the outside of your frog
4. Leg dissection
 - carefully remove the skin from one entire leg
 - identify the four major leg muscles from your diagram
 - remove muscles and examine bone and joint structure of knee
5. Internal anatomy and dissection
 - place frog dorsal side down
 - make shallow cuts through the skin and muscle tissue into the abdominal cavity (you do not want to harm internal organs) as indicated in the diagram
 - you may need to use scissors and cut towards the head through the breast bone and shoulder joints (again being careful not to damage organs.)



- observe **digestive organs** and identify them inside frog
 - remove liver, gallbladder, stomach, spleen and small intestine
 - observe **reproductive organs** and determine gender, remove organs
 - observe **kidneys** and remove
 - observe **heart and lungs** and remove organs
 - cut open stomach and observe interior
 - cut open liver and observe tissue
 - dissect other organs compare tissues to one another
6. Follow clean up procedure as directed (including cleaning up your lab station)
 7. Write a lab report (at least 3 paragraphs)
 - Abstract- a brief paragraph describing what you did, why you did it (objective) and major results
 - Materials and Methods- details about your supplies and a description of the steps you took
 - Observations and Conclusions- what you saw and learned