# Student Guide to the Frog Dissection

#### Dissection Instructions

- Place the frog in the dissecting pan ventral side up.
- Use scissors to lift the abdominal muscles away from the body cavity. Cut along the midline of the body to the forelimbs.
- Make transverse (horizontal) cuts near the arms and legs.
- 4. Life the flaps of the body wall and pin back.

\*If your specimen is a female, the body may be filled with eggs. 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.

- 1. 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 carefully pick it off to get a clear view □
- 3. Liver—The largest structure of the the body cavity. This brown colored organ is composed of three 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.
- 4. 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.

## **Frog Dissection Student Guide**

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