

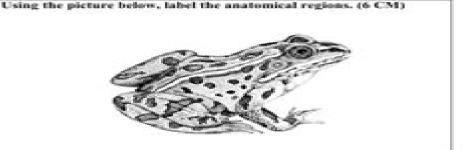
Frog Dissection Student Answer Sheet

Name:

Orientation

Locate the following orientations:

- Dorsal: The back which is usually uppermost
- Ventral: The lower surface
- Anterior (Cranial): the forward part
- > Posterior (Caudal): the hind part
- Medial: the central longitudinal axis of the body
- Lateral: the longitudinal line along the sides of the body



Part I - External Anatomy

Get a frog from your teacher.

Observe the Size

Use a ruler to measure your frog, measure from the anterior tip (tip of the head) to the posterior tip (end of the frog's backbone —do not include the legs in your measurement). Compare the length of your frog to other frogs and find an average. (2 TI)

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

To determine the frog's sex, look at the hand digits, or fingers, on its forelegs. A male frog usually has thick pads on its "thumbs," which is one external difference between the sexes, as shown in the diagram below. Male frogs are also usually smaller than female frogs. Observe several frogs to see the difference between males and females.

Observe the appendages (5 TI)

Examine the hind legs.

★ How many toes are present? ______. Are the toes webbed? ______.

Examine the forelegs.

- ★ How many toes are present? _____. Are the toes webbed? _____.
- Do you think your frog is male or female?

Observe the Skin (1 TI)

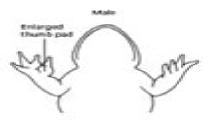
Feel the frog's skin. Is it sealy or is it slimy?

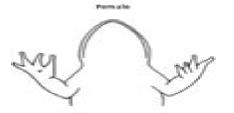
Observe the Eyes (2 TI)

- ★ What color is the nictitating membrane?
- ★ What color is the eyeball?

Observe the "Ears" (2 TI)

- ★ What structure in humans works like the frog's tympanic membrane?
- Diameter of tympanic membrane





Anatomy Of A Frog Guide Answer Sheet

L Darling-Hammond

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