

Dissection Intro



Student Instructions:

You will need Acrobat Reader 11 or later to complete this worksheet. We suggest you save regularly - your teacher will tell you which questions to answer and how to submit when you have finished. The fields with 0 and drop down lists are for Teacher use only.

Total (max 40)

Percentage

Name:

Class:

Date (mm/dd/yyyy):

1 a. What is special about the structure of a frog's feet?

b. How does this structure benefit frogs

2 a. What is the puckered opening between the legs called?

What is this opening's purpose?

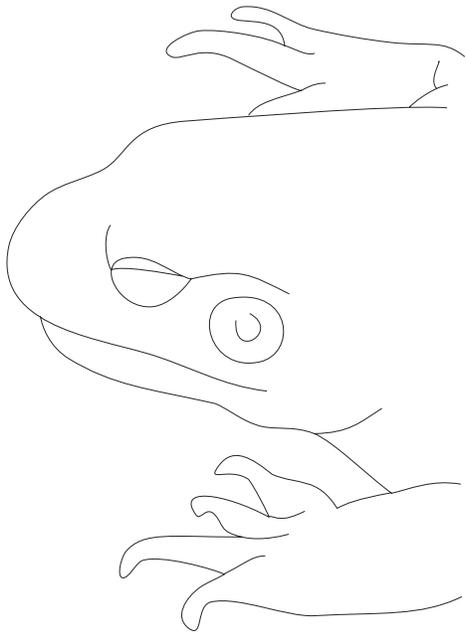
3 a. Describe the frog's skin.

b. Why is patterned skin beneficial for frogs

4 What's an easy way to help tell male and female frogs apart

5 What sensory organs are found on the head?

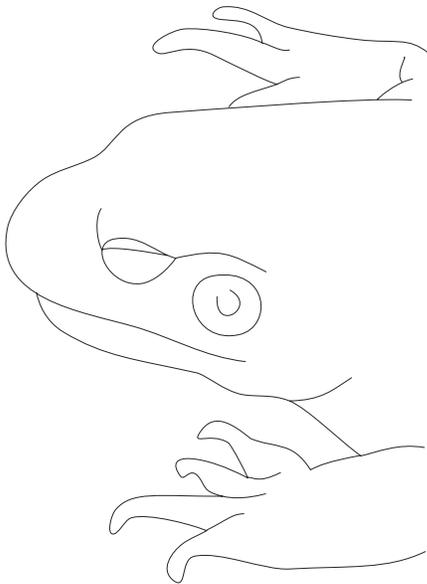
- 6** Use the pencil tool to draw the cuts needed to dissect the eye.



- 7** What frequently happens to the eyes of preserved frogs?

- 8** What might you have to cut to remove the eye?

- 9** Use the pencil tool to draw the cuts needed to dissect the tympanum:

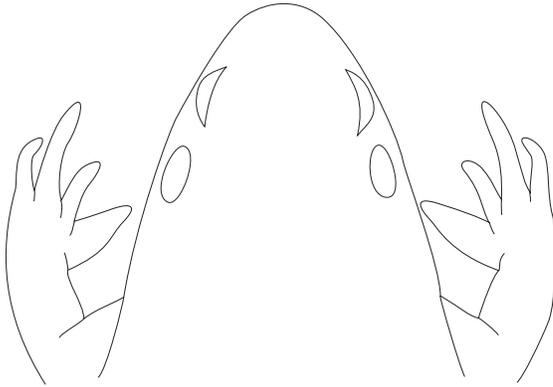


- 10** What structures do you have to cut to expose the tympanic cavity?

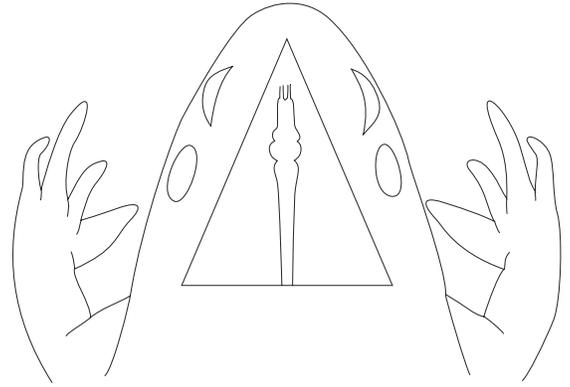
- 11** What bone is clearly visible after removing the tympanic membrane?

- 12** What do you have to cut to dissect the mouth?

13 Draw the first cuts needed to expose the brain:

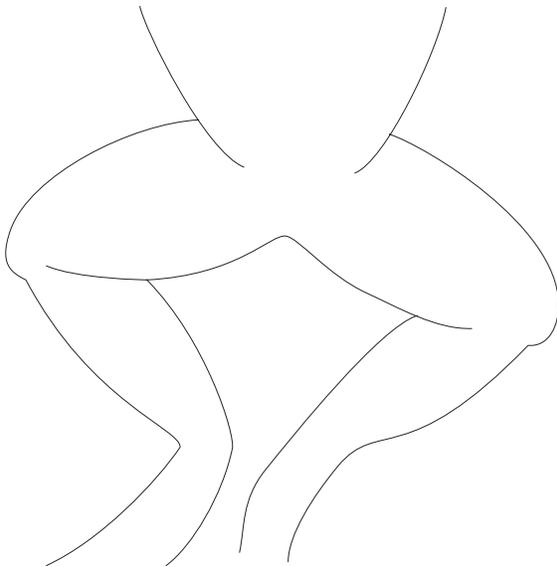


14 Draw the cuts needed to remove the brain:



15 What structures must be cut before removing the brain?

16 Use the pencil tool to draw the cuts needed to dissect the frog's leg:

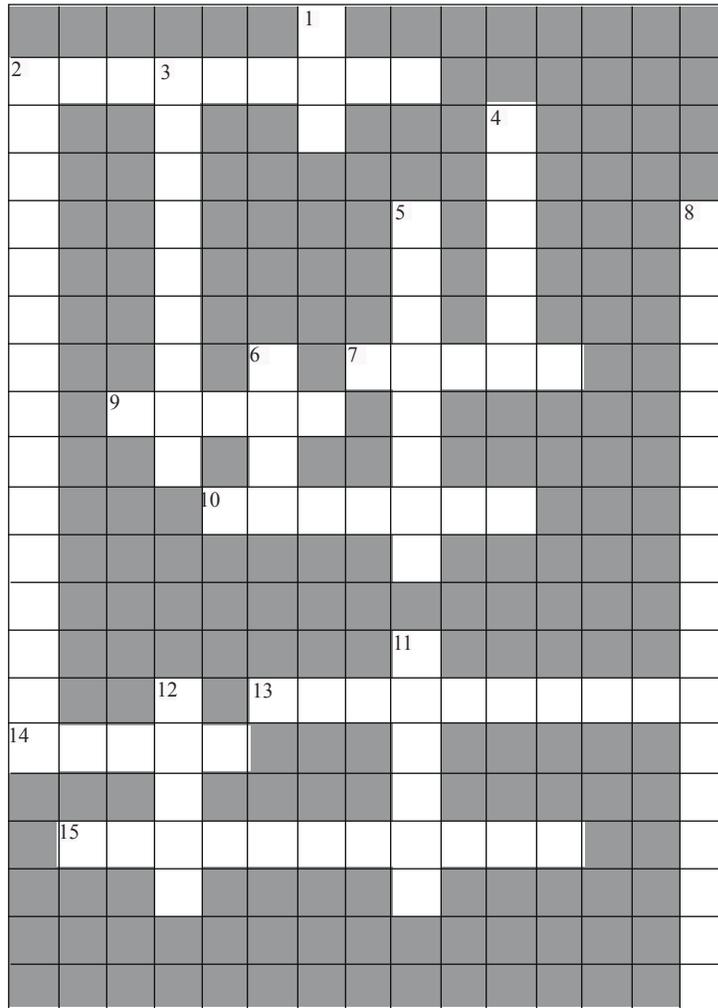
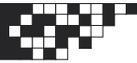


17 Why does the skin on the frog's legs lift away so easily?

18 Describe the leg muscles.

19 What kind of muscles are found in the leg?

The Crossword



ACROSS

2. Skin is separated from the muscles by these (5, 4)
7. Jaw containing maxillary teeth (5)
9. Veins found in urogenital system (5)
10. This increases the surface area of the feet for swimming (7)
13. Reason for mottling on frog skin (10)
14. Organ with right, left and median lobes (5)
15. Sac-like membrane surrounding heart (11)

DOWN

1. This is cut in dissection of the mouth (3)
2. Chamber lungs are joined to (15)
3. Kind of specimen in which lung is highly contracted (9)
4. The _____ frog may have distorted internal organs (6)
5. Cavity that is exposed upon dissection of the ear (8)
6. The _____ frog has an enlarged thumb pad (4)
8. Tubes cut to dissect the heart (7, 10)
11. Organs that fat bodies are adjacent to (6)
12. Organ dissected first in body cavity (5)