

Name: \_\_\_\_\_ Dates: \_\_\_\_\_ Per. \_\_\_\_\_

## Frog Dissection – Pre Lab

Use “*An Illustrated Dissection Guide To The ...Frog*” to collect the information to complete this pre lab. A PDF version of this guide is located on my website under the “Lab Stuff” link on the “Life” drop down menu.

### Introduction

1. \_\_\_\_\_ What is the most widely used animal for lab dissections?
2. \_\_\_\_\_ What’s the phylum of the frog?
3. \_\_\_\_\_ What’s the subphylum?
4. \_\_\_\_\_ What’s the class?
5. \_\_\_\_\_ What’s the order?
6. \_\_\_\_\_ It is important to keep your frog \_\_\_ during the dissection.

### Anatomical Terms

7. \_\_\_\_\_ What anatomical term is located toward the head?
8. \_\_\_\_\_ What anatomical term is toward the backbone?
9. \_\_\_\_\_ What anatomical term is “lying near to”

### External Features

10. \_\_\_\_\_ What two sections is the frog divided into?
11. \_\_\_\_\_
12. \_\_\_\_\_ What structure is the functional equivalent to the ear drum?
13. \_\_\_\_\_ What structure is used to eliminate waste products?
14. \_\_\_\_\_ What “plane” separates the frog into right & left sides?
15. \_\_\_\_\_ What “plane” separates the frog into front and back halves?
16. \_\_\_\_\_ What is the scientific term for the nostrils?

### Mouth structures

17. \_\_\_\_\_ What tool is used to cut the jaw at the caudal end of the mouth?
18. \_\_\_\_\_ What are the small sharp teeth found along the upper jaw?
19. \_\_\_\_\_ What is the round structure w/ a vertical slit caudal to the tongue?
20. \_\_\_\_\_ What structure is at the center of the mouth that passes food to the stomach?
21. \_\_\_\_\_ What are the two openings that allow the frog to breath?

### Major Muscles

22. \_\_\_\_\_ What must be done before locating the muscles?
23. \_\_\_\_\_ What’s the name of the calf muscle?
24. \_\_\_\_\_ What’s the name of the “six pack” muscles?
25. \_\_\_\_\_ Are the Latissimus dorsi muscles on the dorsal or ventral side?

### Internal Anatomy

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26. \_\_\_\_\_ Which “wall” must now be opened?
27. \_\_\_\_\_ Do you cut along the midline?
28. \_\_\_\_\_ Make the cuts shallow to avoid damaging \_\_\_\_?
29. \_\_\_\_\_ Which end of the scissors are used?
30. \_\_\_\_\_ Which figure is used to outline the additional cuts?
31. \_\_\_\_\_ You must remove the \_\_\_\_ to view the heart & lungs
32. \_\_\_\_\_ What are the exposed organs wrapped in?
33. \_\_\_\_\_ What is the membrane around the heart?
34. \_\_\_\_\_ Which organ has 3 reddish lobes?
35. \_\_\_\_\_ Which organ is under the liver and is greenish in color?
36. \_\_\_\_\_ Which organ is a “pea sized” structure located in the mesentery of the small intestines?
37. \_\_\_\_\_ Which organ is an enlargement at the end of the small intestine and absorbs water?
38. \_\_\_\_\_ What are the clusters of yellow oblong bodies?

### **Respiratory/Circulatory System**

39. \_\_\_\_\_ Which organs are located dorsally on either side of the heart?
40. \_\_\_\_\_ How many chambers does the frog heart have?
41. \_\_\_\_\_ Name the chambers of the frog heart:
42. \_\_\_\_\_
43. \_\_\_\_\_
44. \_\_\_\_\_ What is the name of the thin membrane surrounding the heart?
45. \_\_\_\_\_ Where does venous blood enter the heart?

### **Brain & Spinal Column**

46. \_\_\_\_\_ Which side faces up when beginning the brain dissection
47. \_\_\_\_\_ Which dissecting two dissecting tools are used to “tease away all the tissue surrounding the spinal column”?
48. \_\_\_\_\_ Which bone must be carefully removed to expose the brain?
49. \_\_\_\_\_ Which tool is used to remove this bone?
50. \_\_\_\_\_ Which are the most anterior lobes of the brain?
51. \_\_\_\_\_ Which lobes are posterior to the Olfactory lobes?
52. \_\_\_\_\_ Which lobes posterior to the pineal body?