



## Bio 11- Frog dissection and Digital Lab Report Activity

**This activity has two parts:**

- a) You will dissect the frog in the lab and answer questions. You will take digital photos during different steps of the procedure, to be used in your lab report.
- b) Later, you will create a digital lab report using MS PowerPoint, the digital photos you took and the questions you answered.

**The report will include the following PowerPoint pages:**

PPT Slide	Procedure Steps	What must be included	Student responsible
1		A title page with the name of activity, your names and any picture you took during the procedure	A
2	1	Dorsal view showing the eyes, nasal openings, tympanic membranes and the webbed toes	B
3	3	Interior view of the mouth showing the tongue and the teeth if visible	C
4	4	Ventral view showing the skin removed from the legs	D
5	4	View of the internal lining of the skin showing the pattern of blood vessels	A
6	5	Ventral view of the leg showing the removed muscles and the exposed bones	B
7	6	Ventral view of the abdomen with the peritoneum exposed	C
8	7	Ventral view of the abdomen with the internal organs exposed	D
9	8	<i>If female</i> – Ventral view of eggs	A
10	9	Ventral view showing the liver and gall bladder exposed	B
11	10	Ventral view of the heart in place	C
12	10	Dorsal view of the removed heart showing the <i>conus arteriosus</i> .	D
13	11	Ventral view showing the lungs	A
14	11	Internal view of the lungs	B

<b>PPT Slide</b>	<b>Procedure Steps</b>	<b>What must be included</b>	<b>Student responsible</b>
15	12	Ventral view showing the oesophagus, the stomach, the small and large intestines and the fat bodies	C
16	12	The digestive tract removed and unwound showing the oesophagus, the stomach, the small and large intestines	D
17	13	Ventral view showing the kidneys, the urethra, the bladder, the dorsal aorta, the inferior vena cava and the renal arteries and veins	A
18	14	Ventral view showing the ovaries and testes	B
19	15	Dorsal view showing the cortex and cerebrum	C
Others 20+	Questions	Create PPT pages to answer the questions in the dissection. Include appropriate photos to enrich your answers.	All

**The responsibilities of the dissection group members:**

<b>Team Member</b>	<b>Title</b>	<b>PPT Pages</b>	<b>Questions</b>
A	Photographer – Responsible for the photographic documentation during the dissection.	1, 5, 6, 13, and 17	B, F, J, and N
B	Time Keeper – Responsible for keeping the group working at a pace which will allow them to complete the dissection procedure in the time allowed.	2, 6, 10, 14, and 18	C, G, K, and O
C	Quality Control Monitor- Responsible for ensuring that all steps of the procedure are completed and that the pictures and answers are of a high standard.	3, 7, 11, 15, and 19	D, H, L, and P
D	Materials and Equipment Manager – Ensures that all materials and equipment are collected at the beginning of the dissection, used properly and returned clean and dry at the end of the dissection.	4, 8, 12, and 16	A, E, I, and M