

Grade11 Life sciences Practical task

Instructions

1. Read the given reader below and understand it so that you may answer the questions that will follow below.
2. Answer each question's; don't leave any question unanswered if you do so you will be penalised.
3. If you didn't write the work you will get zero and you won't do the practical in class.
4. After the practical you will submit your work in class.
5. This practical will also prepare you for the exam that is about to come in November

Practical 1: Dissection of a sheep heart

Heart Dissection Walk Through :

The heart dissection is probably one of the most difficult dissections you will do. Part of the reason it is so difficult to learn is that the heart is not perfectly symmetrical, but it is so close that it becomes difficult to discern which side you are looking at (dorsal, ventral, left or right). Finding the vessels is directly related to being able to orient the heart correctly and figuring out which side you are looking at.

The heart is also difficult because the fatty tissue that surrounds the heart can obscure the openings to the vessels. This means that you really must experience the heart with your hands and feel your way to find the openings. Many people will be squeamish about this, and because the heart is slippery, it is easy to drop. Don't be shy with the heart; use your fingers to feel your way through the dissection.

1. Step One: Orientation

When you first remove your heart from the bag, you will see a lot of fatty tissue surrounding it. It is usually a waste of time to try to remove this tissue. You may also want to arm yourself with some kind of markers for the parts you find, colour pencils work great to identify a vessel and you will see many used to mark openings on the heart.

There are a few clues to help you figure out the left and the right side, but often the packaging and preserving process can cause the heart to be misshapen. If you are lucky, the heart will be nicely preserved and you will see that the front (ventral) side of the heart has a couple of key features:

- 1) a large **pulmonary trunk(artery)** that extends off the top of it
- 2) the flaps of the **auricles** covering the top of the **atria**.
- 3) the **curve** of the entire **front side**, whereas the **backside** is much **flatter**.

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Enjoying the Melody of Expression: An Psychological Symphony within **Life Sciences Practical Exam 2014 Memorandum November**

In a global eaten by monitors and the ceaseless chatter of fast interaction, the melodic splendor and mental symphony produced by the prepared term usually disappear into the back ground, eclipsed by the constant sound and disruptions that permeate our lives. Nevertheless, located within the pages of **Life Sciences Practical Exam 2014 Memorandum November** a wonderful fictional treasure overflowing with raw thoughts, lies an immersive symphony waiting to be embraced. Constructed by a masterful musician of language, this captivating masterpiece conducts viewers on an emotional journey, skillfully unraveling the concealed tunes and profound impact resonating within each carefully crafted phrase. Within the depths of this touching evaluation, we can discover the book is central harmonies, analyze its enthralling writing fashion, and submit ourselves to the profound resonance that echoes in the depths of readers souls.

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