Grade11 Life sciences Practical task

Instructions

- Read the given reader below and understand it so that you may answer the questions that will follow below.
- 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.
- 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 dose 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:

- 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) thecurve of the entire front side, whereas the backside is much flatter.

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Phyllis Blumberg

Grade 11 2013 Life Science Practical Task:

Unveiling the Power of Verbal Art: An Mental Sojourn through Grade 11 2013 Life Science Practical Task

In a world inundated with displays and the cacophony of immediate connection, the profound power and psychological resonance of verbal artistry often fade into obscurity, eclipsed by the regular barrage of noise and distractions. Yet, nestled within the musical pages of **Grade 11 2013 Life Science Practical Task**, a captivating function of literary splendor that impulses with fresh emotions, lies an unique journey waiting to be embarked upon. Published by way of a virtuoso wordsmith, this mesmerizing opus courses readers on a psychological odyssey, lightly revealing the latent potential and profound impact stuck within the intricate web of language. Within the heart-wrenching expanse of this evocative examination, we can embark upon an introspective exploration of the book is central themes, dissect their fascinating publishing model, and immerse ourselves in the indelible impact it leaves upon the depths of readers souls.

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