

## INTRODUCTION TO LAB DISSECTION OF THE FETAL PIG

## The Study of Mammalian Anatomy Through the Dissection of The Fetal Pig

The fetal pig has been chosen as a dissection specimen to acquaint you with the structure of the mammalian body. While a biologist would be concerned with the anatomy of this organism alone, the reason for this dissection is somewhat broader. One of the goals of the biology course is to provide knowledge of human anatomy and physiology. Being a mammal, the anatomy of the pig is very much like that of the human, and, at the same time, since the fetal pig is readily available, it is a practical high school dissection specimen.

At the outset of the dissection, a few incisions will have to be made with a razor blade and/or scissors to open the specimen. Thereafter, most of the dissecting should be done very carefully picking away surrounding connective tissue in order to separate and expose organs. DO NOT cut out any organs unless specifically directed to do so, but always pick away enough of the surrounding tissue to see all of an organ clearly. A good dissection should reveal all of the organs clearly enough so that another person could examine the specimen and see the essential relationships of the organs and their connections with other organs without any difficulty.

Specific observations and questions have been included in the lab. As you work in class you should make notations on this lab guide that will help you remember the wealth of information involved in studying the fetal pig. MAKE SURE YOU JOT DOWN THE ANSWERS TO THE OBSERVATIONS SO YOU WILL HAVE THIS INFORMATION WHEN YOU WRITE UP THE LAB.

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**COMPLETE EACH OF YOUR FORMAL LAB WRITE UPS****USING THIS FORMAT:**

I Title (Include your name & date)

II Purpose

*Do not write out procedure*

III A- Observations 1-9, &

B- Questions 1-6..

**BE SURE TO USE COMPLETE SENTENCES FOR ALL YOUR WRITTEN WORK.**

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**EXTERNAL EXAMINATION OF FETAL PIG**

**LAB PART 1**

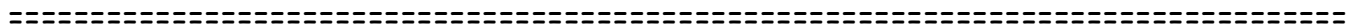
**EXTERNAL EXAMINATION**

**PURPOSE:**

To become familiar with the basic body plan of mammals and thusly become more familiar with human anatomy.

**MATERIALS:**

Fetal pig, dissecting pan, gloves



**INTERNAL EXAMINATION OF FETAL PIG**

**LAB PARTS 2 - 5**

**DIGESTIVE SYSTEM**

**CIRCULATORY SYSTEM**

**RESPIRATORY SYSTEM**

**EXCRETORY, REPRODUCTIVE, NERVOUS SYSTEMS**

**PURPOSE:**

To become familiar with the basic body plan of mammals and thusly become more familiar with human anatomy.

**OBJECTIVES:**

1. Learn the location and function (when appropriate) of the organs and systems of the fetal pig.
2. Become familiar with the descriptive materials of the fetal pig so that comparisons can be made with human structures and functions.

**MATERIALS:**

Fetal pig, dissecting pan, razor blade, scissors, probe, forceps, and 2 pieces of string 60 centimeters long

**COMPLETE VOCABULARY WORDS & TERMS FOUND AT END OF LAB SECTIONS**