

Life Science Fetal Pig Lab 200 Total Points Possible:

1 paper per group: Students in your group:

YOU MUST HAVE MY INITIALS IN EACH SECTION BEFORE YOU PROCEED TO THE NEXT SECTION!!

I. Use your Pig Dissection Guide to help answer the following questions- 10 pts

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1. Pig length from tip of snout to base of tail: _____
2. Approximate Age of Gestation: _____
3. Is your specimen a Male or Female?
4. Be familiar w/ the following Anatomical locations on your Fetal Pig

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- a. Cranial, Caudal, Dorsal, Ventral, Proximal and Distal

II. External Features – 10 pts

1. Be able to identify
 - a. Pinna, External Nares, Eye, Anus, Urogenital Opening, scrotum (males), Mammary Papillae

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III. Oral Cavity- 10 pts

1. Use a scalpel or strong scissors to cut the jaw allowing the mouth to be pried open. Be able to identify:
 - a. Tongue, Palpi of the tongue, Hard Palate, soft Palate, Pharynx

III. We will not be identifying Skeletal or Musculature in this dissection

IV. Internal Anatomy Dissection -30pts

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1. Place the specimen on its dorsal surface, ventral side up, and Secure it by using twine to tie onto the front limb, pass it under the tray and secure the other forelimb.
2. Do the same to the hind limb.
3. Make the incisions as outlined in Figure 4 (page 7) of the dissection Guide. Cut around the umbilical cord, Cut away the flaps exposing the internal organs.

V. Need to Know Internal Structures – 100pts

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4. Use the internal drawing (Figure 5) to help identify:
 - a. Thoracic cavity, abdominal cavity, thymus, trachea, Right & left atrium, right & left ventricule, pericardium, Aortic Arch, Vena cava, lungs, diaphragm, liver, gall bladder, mesentary, spleen, pancreas, small intestine, large intestine, urinary bladder, umbilical cord, rectum, descending Aorta, Kidneys, ureters, urethra,

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VI. Dissect out the entire digestive system: 30 pts - by cutting as far anteriorly above the stomach to the base of the rectum. Remove the mesentery to leave the entire complete digestive system as a long-single tube. What is the approximate length of your specimen's digestive system? **Length (in inches) of Digestive System:** _____

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VII. Dissect away the top of the skull 20pts (as describe on pg 15), Expose & identify the parts of the brain: Cerebrum, cerebellum, medulla oblongata, longitudinal fissure, transverse fissure gyri, sulci