

Life Science Fetal Pig Lab

1 paper per group: Students in your group: _____

Period ____ Date _____

Get your teacher's approval (initials) before you proceed to the next section!!

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

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

a. Dorsal, Ventral, Anterior, Posterior, Cranial, Caudal, Proximal and Distal

II. External Features

1. Be able to identify

a. Pinna, External Nares, Eye, Anus, Urogenital Opening, scrotum (males), Mammary Papillae, male from female

III. Oral Cavity

1. Use a scalpel or strong scissors to cut the jaw allowing the mouth to be pried open. Be able to identify:

a. Tongue, Tongue papillae, Hard Palate, soft Palate, Pharynx, Glottis, Epiglottis

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

V. Internal Anatomy Dissection

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 5 (page 8) of the dissection Guide. Cut around the umbilical cord, fold the flaps outward and pin exposing the internal organs.

VI. Need to Know Internal Structures

4. Use the internal structures (Figure 6-10) to help identify:

a. Thoracic cavity, abdominal cavity, Larynx, Thyroid, thymus, trachea, Right & left auricle, Right & left atrium, right & left ventricle, pericardium, Pulmonary Artery, Aortic Arch, Superior & Inferior Vena cava, lungs, diaphragm, liver, gall bladder, mesentery, spleen, pancreas, small intestine, large intestine, urinary bladder, umbilical cord, rectum, descending Aorta, Kidneys, ureters, urethra,

VII. **Dissect out the entire digestive system:** - 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:** _____

VIII. **Dissect away the top of the skull** (as describe in the dissection guide), Expose & identify the parts of the brain: Cerebrum, cerebellum, medulla oblongata, longitudinal fissure, transverse fissure, gyri, sulci