

Lab

Pig Dissection Answer Document

1 Define the following terms:

dorsal-

ventral-

lateral-

medial-

anterior-

posterior-

Using the external anatomy of a pig diagram, answer the following questions.

2 Are there any external structures of a pig that are different from those of a human? If so, identify them.

3 Are there any external structures of a pig that are similar to those of a human? If so, identify them.

4 Using a ruler, measure the length of your pig diagram from snout to the base of its tail and record your measurement in centimeters.

Length of Pig

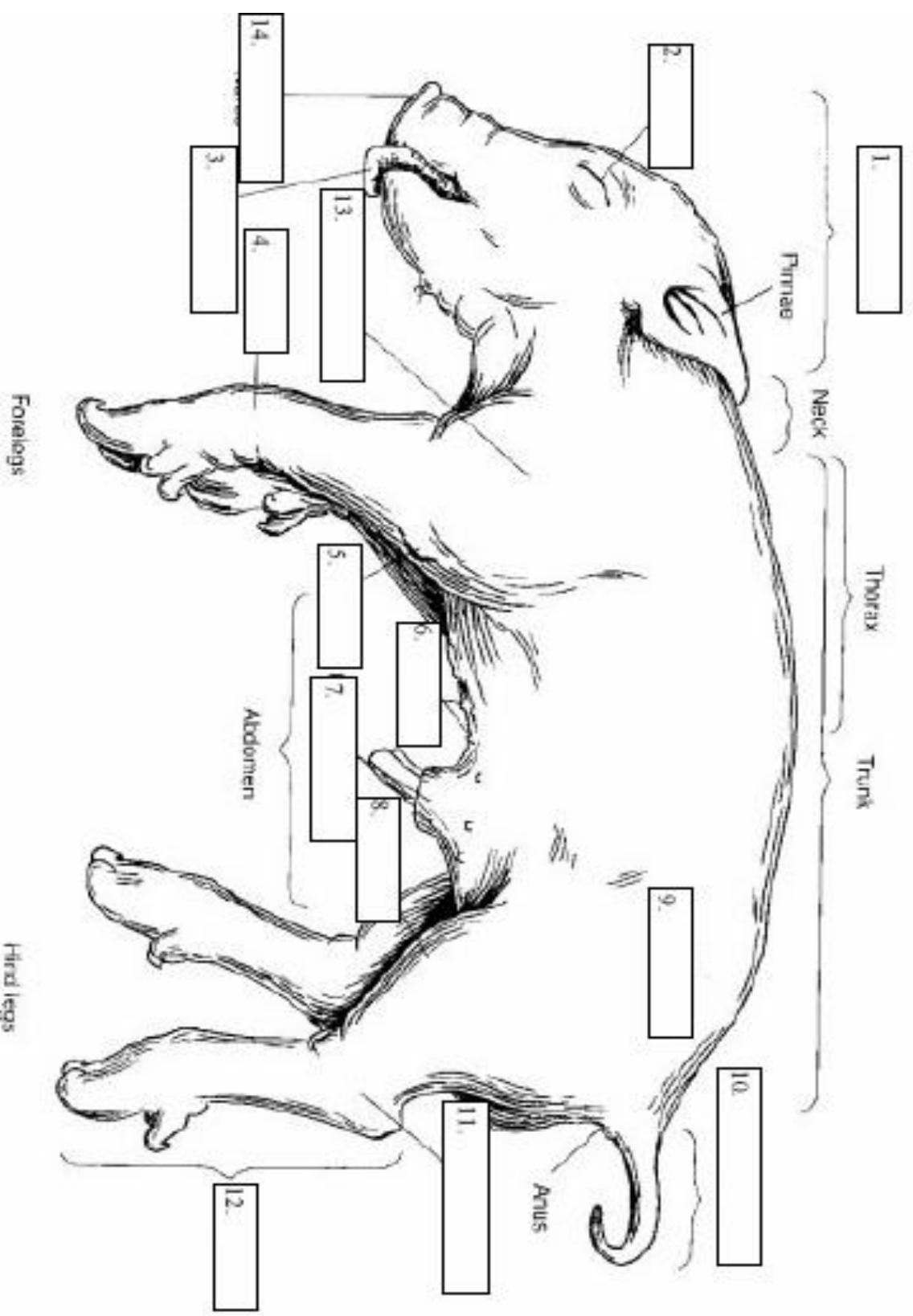
5 Using the data above in question 4 and the table, determine the approximate age of the pig.

Length (Cm)	Approximate age (days)
1.1	21
1.7	35
2.8	49
4.0	56
22.0	100
30.0 +	Full term 112-115

Approximate age of pig

6 What is the function of the umbilical cord? What is the function of the umbilical vein? What is the function of the umbilical artery?

foot testis or mammary papillae ankle elbow umbilical cord shoulder wrist
 tongue nares (nostrils) eye tail head knee hip



Title: The Cardiovascular System Lab

1. Next to each structure listed, write its function.

Heart-

Right atrium-

Left atrium-

Right ventricle-

Left ventricle-

Superior vena cava-

Inferior vena cava-

Aorta-

Brachiocephalic artery-

Subclavian artery-

Common carotid artery-

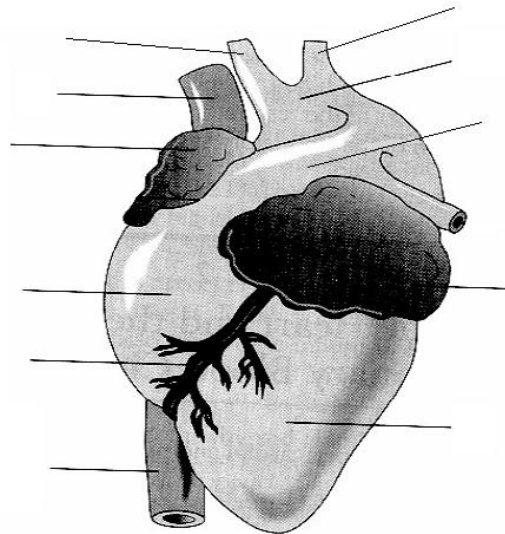
Pulmonary trunk (vein)-

Internal and External Jugular vein-

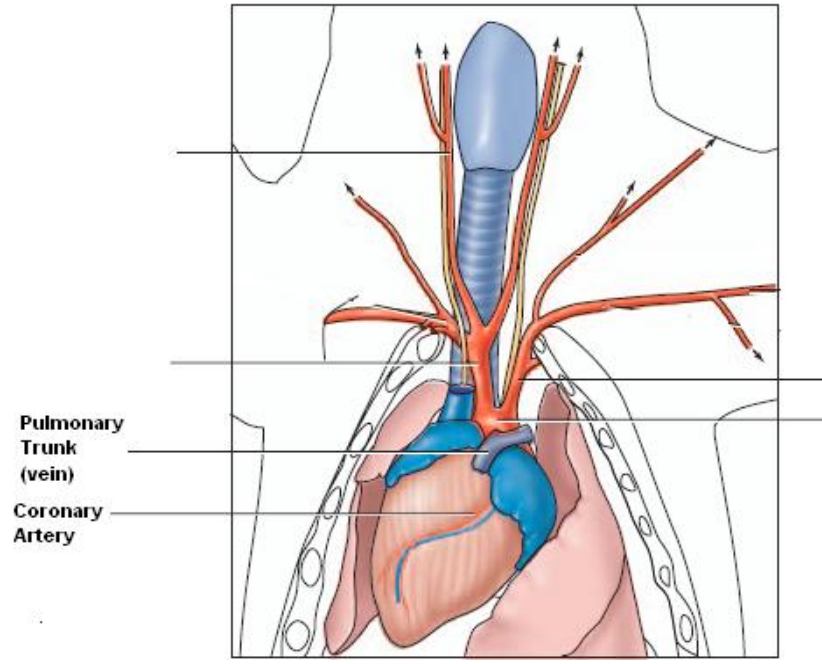
Bicuspid (mitral) valve-

Tricuspid valve-

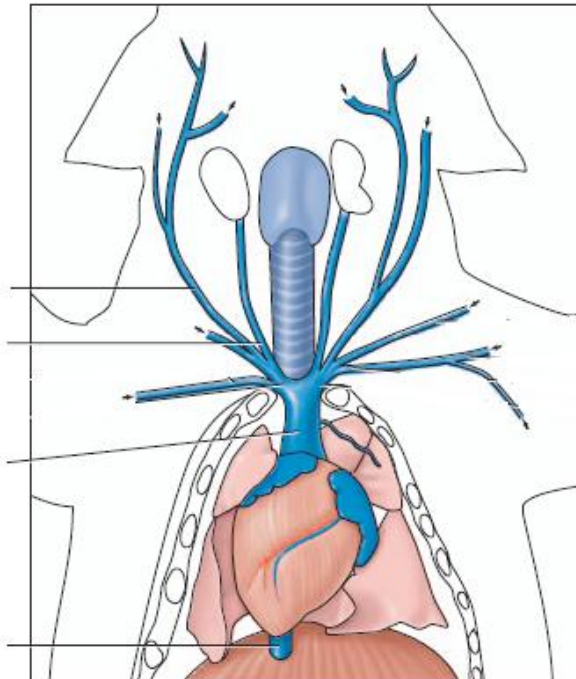
2. Label the diagram of the pig heart.



3. Label the arteries of the pig cardiovascular system.



4. Label the veins of the pig cardiovascular system.



Title: The Respiratory System

1. Next to each structure listed, write its function.

Nose-

Larynx-

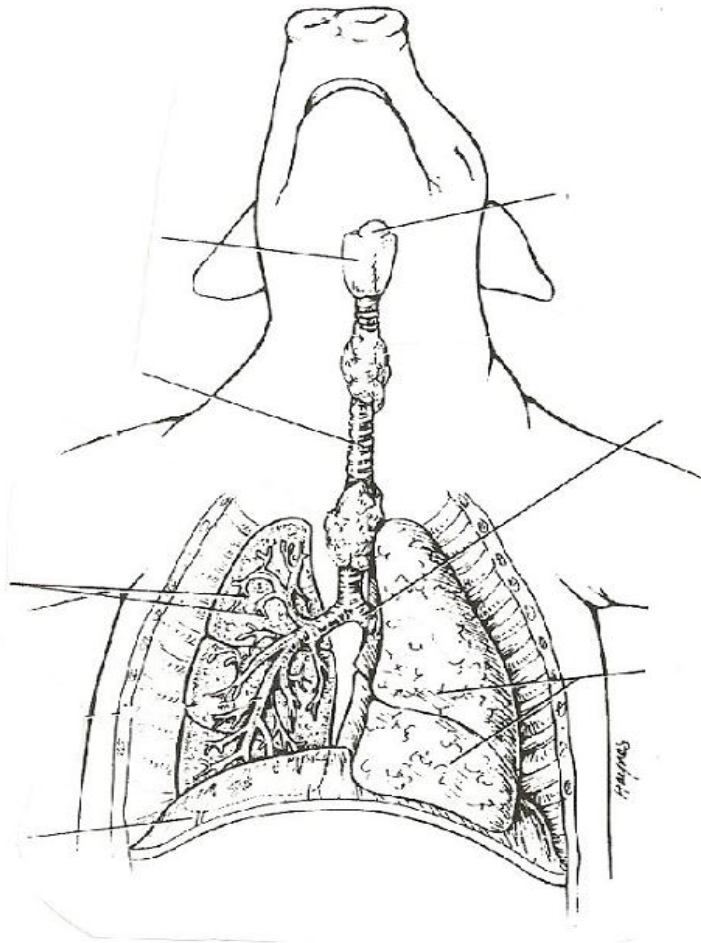
Trachea-

Left and Right primary bronchi-

Lungs-

Diaphragm-

2. Label the diagram of the pig respiratory system.



Title: The Digestive System Lab

Conclusion Questions:

5. Next to each structure listed, write its function.

Mouth-

Esophagus-

Stomach-

Small intestine-

Large intestine-

Rectum-

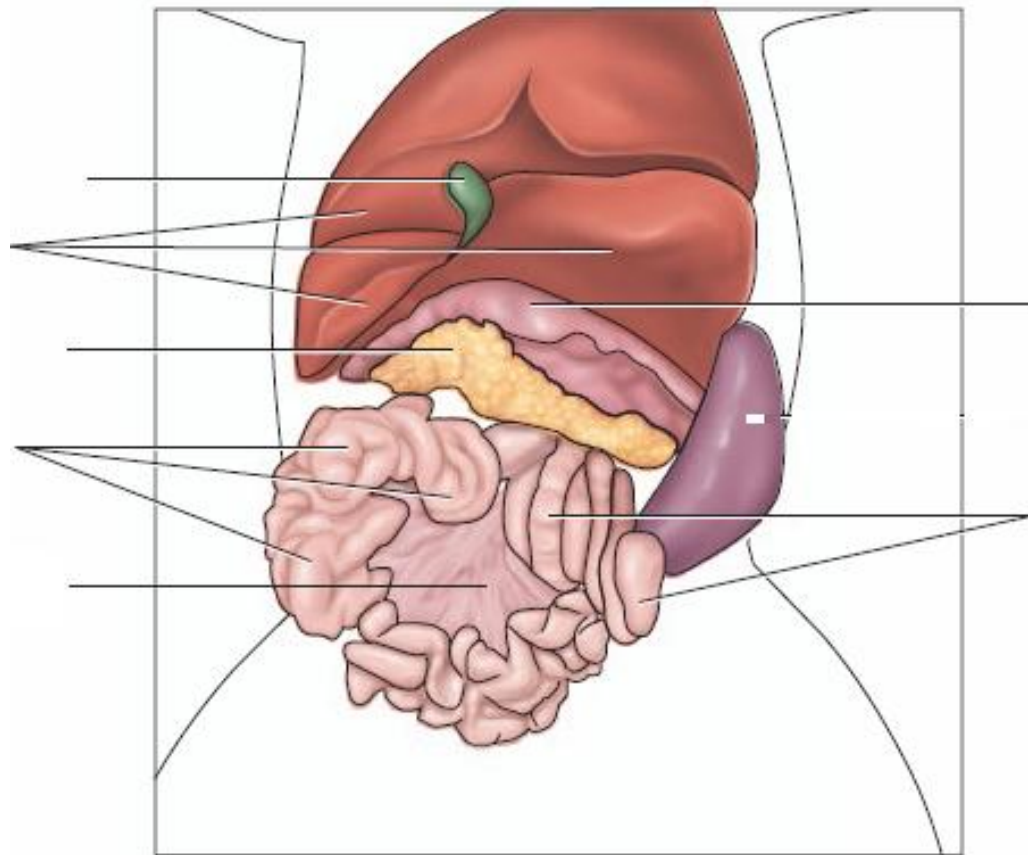
Anus-

Mesentery-

Liver-

Pancreas-

6. Label the diagram of the pig digestive system.



Title: The Urinary System Lab

7. Next to each structure listed, write its function.

Kidney-

Renal artery-

Renal vein-

Ureter-

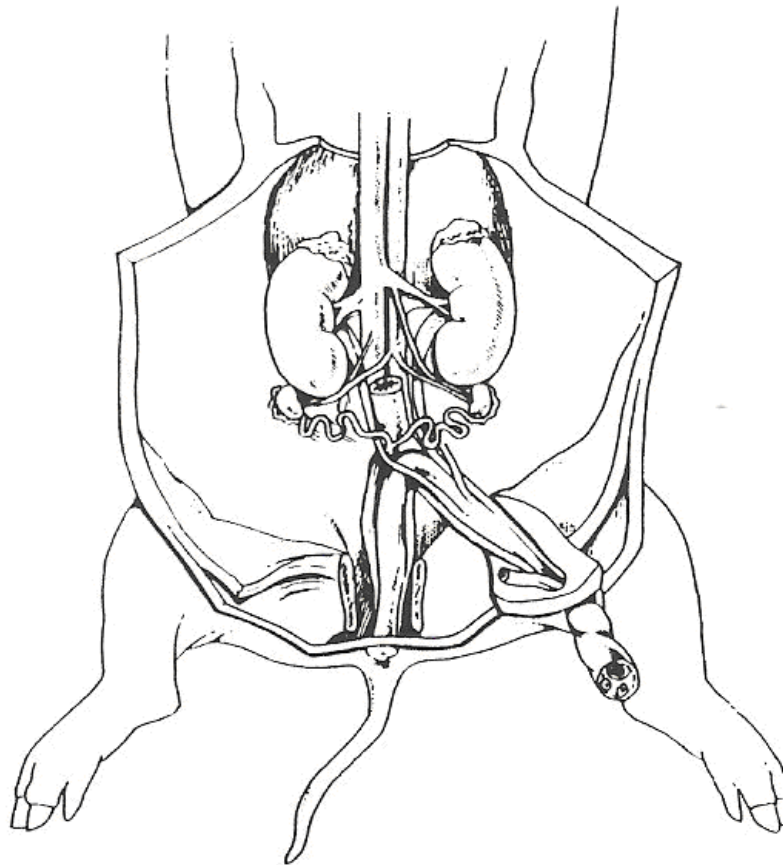
Urinary bladder-

Urethra-

Renal cortex-

Renal medulla-

8. Label the diagram of the pig urinary system.



9. Label the diagram of the internal structures of the pig kidney.

