

Name: _____ Period: _____

Lab 28: Virtual Fetal Pig Dissection – Day 2

Day 2: Digestive, Excretory, and Circulatory Systems

Go to this website: <http://www.whitman.edu/biology/vpd/main.html>

You will be doing a pig dissection through the internet and answering questions as you go.

Digestive System: Begin by clicking on the link for the digestive system.

Begin by clicking on the head (cranial region of the pig to view the start of the digestive system) As you answer questions you will either have to hit the forward button or click on the picture to view more information.

1. The nostrils are also known as what?
2. Air comes in through the nostrils for what two main purposes?
3. Describe the structure of the tongue (What does it look like, etc)?
4. What is the tongue made up of?
5. What is the main function?
6. What are the sensory papillae?
7. Where are the sensory papillae located?
8. What are the four main taste buds in humans and pigs?
9. Describe the first incision that is made to access the jaw and inside the oral cavity?
10. After the first incision what gland is exposed?
11. What makes up the anterior part of the roof of the mouth?
12. Describe how the hard palate looks.
13. What is the posterior part of the mouth?

14. Describe how it looks. How is it similar or different to the hard palate?
15. Which palate contains bone?
16. Describe the teeth? Are they pointy, etc and what are they called?
17. What is the pharynx?
18. Describe the location of the epiglottis.
19. What does the epiglottis do?

Abdominal section of the Digestive system:

1. Draw a small picture of the incisions that you would have made if you had dissected this pig in order to see the abdominal organs.
2. What is located right underneath the skin? _____
3. What cavity do most of the abdominal, excretory, and reproductive organs sit in?
4. List three organs that you can see once you cut through the membrane.
5. What is the large brown top most organ?
6. How many lobes does this organ have? _____
7. What organ is directly below this first organ?
8. How long can a small intestine of a fetal pig get?
9. Draw a picture of what the small intestine looks like.
10. How long is the large intestine and what is it responsible for?

11. What color is the large intestine? _____
12. Describe where the gall bladder was located?
13. What is the role of the gall bladder?
14. Once you remove the liver what are some organs that you can see?
15. Once you have cut the stomach open you can see the pyloric sphincter. What is its role?
16. What other organs is the spleen close to? And what does it do?
17. Describe the location of the pancreas and what it does?

Excretory System: Begin by clicking on the link for the excretory system.

1. Where do the kidneys lie?
2. What is the kidney responsible for?
3. What does the kidney look like to you?
4. If we cut the kidney open, what are the three different regions the kidney is made up of?
5. Ureters connect what two structures together?
6. What shape is the bladder?

Circulatory System: Begin by clicking on the link for the circulatory system.

1. What are two functions of the circulatory system?
2. Draw or explain the incisions lines in order to see the circulatory system.
3. Draw a picture of the heart, lungs and thymus gland.
4. What is the artery that can be seen on the heart that separates the right and left side?

5. How many chambers does a pig heart have? _____
6. Is a beef heart or a human heart similar to a pig heart?
7. Describe the flow of blood through the heart.

8. The chordae Tendinae helps to make up the heart valves, describe or draw what they look like.