

Name: _____ Period: _____

Lab 28: Virtual Fetal Pig Dissection – Day 3

Day 3: Respiratory, Nervous System

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.

Respiratory System: Begin by clicking on the link for the respiratory system.

1. What is the passageway air travels as it enters through the nares?
2. To the left of the trachea or behind it is what other tube?
3. Which tube lets food down and which tube lets air down?
4. What is the name of the membrane that the lungs are in?
5. Describe what the lungs look like? (Color, shape, texture, etc)
6. The trachea splits into what when it hits the lungs?
7. Describe where the diaphragm is located.
8. How does the diaphragm aid in breathing?
9. Draw a picture of how the lungs and heart with the trachea all sit together.

Nervous System: Begin by clicking on the link for the nervous system.

Once inside, begin by clicking on the cranial section of the pig.

1. Draw or describe how you would have cut the skull in order to see/expose the brain.
2. What is the membrane that covers the brain called?
3. Describe the brain: colors, lines, textures, size, etc.

4. What are the four lobes of the brain?
5. What is the main difference between the pig brain and the human brain?
6. Why does a pig also have two large olfactory lobes?
7. If you wanted to look at each hemisphere of the brain what would you do to see them?

Now click on the start over button to go to the cervical section.

1. Do pigs have a muscular neck?
2. Why is this important for them?
3. What has to be removed in order to actually see the spinal chord?
4. The bones that protect the spinal chord are called what?
5. Where do the nerves extend from?
6. Once you have removed the vertebrae, what does the actual spinal chord look like?
7. Draw a picture of the spinal chord with the vertebrae and draw another picture of what it looks like when that has been removed.
8. Last draw a picture of the spinal chord with the nerves attached.
9. Where do these nerves go to?