Name:	Period:Date:
Ms. Randall Anatomy & Physiology	
Autopsy of a dill pickle	
Lead Dissector: Asst. Dissector: Set up/clean up: Reader/recorder:	
Tools needed: Tools: scalpel, forceps, dissecting pan, scissors, diss	ecting needles, dropper, pH paper, slides, microscopes
Objective:	
To practice using dissecting materialsTo strengthen your knowledge of anatomical	planes and body cavities.
Pre-Lab – Identify the Dissection Tools	
В	C
D E.	F.
Match the tool letter above to its name and function. Forceps Used for slicing and cutting large specimens Scissors Will grasp delicate tissues Blunt Probe To cut skin and fascia or to spread tissue layers Dissecting needle Used to manipulate or to poke at objects/openings Scalpel	
Used to hold back layers for better viewing or to kee Dissecting Pins To inspect small organs or tease apart tissues	

Vocabulary:

<u>Anterior</u>: The top or front end of an organism's body, or at or towards the front. <u>Posterior</u>: The behind or end of an organism, or at or towards the rear.

<u>Dorsal</u>: The back of an organism, or on or towards the back.

Ventral: The bottom of an organism, or on or at the bottom.

Lateral: The sides of an organism.

Basal: The bottom of an elongated structure or towards the base.

Distal: Towards or at the tip farthest away from the base.

<u>Symmetry</u>: An organism is bilaterally symmetric if when cut from anterior to posterior the resulting halves are equal. Humans exhibit bilateral symmetry.

<u>Exterior</u> – Outside the body

<u>Interior</u> – Inside the body

Procedure:

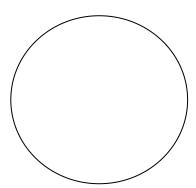
The exterior of the body is examined for abnormalities such as wounds or scars from injuries or surgeries. Give your summation using correct anatomical descriptions below:

Dorsal:	Ventral:	
this A on your picture) sternum to form a sing	o that its ventral side is up. Cut a deep "Y" incision with the arms start at the anterior surface of shoulders and join at the inferior the cut that extends to the pubic area. The sternum area should be the pubic area should be labeled D.	point of the
a. What type of cut are lain.	e you making when you cut the "Y" incision? (sagittal? transver	se? frontal?
b. Draw the pickle and	label the areas A-D.	

ex sta ex	the ribcage is sawn through, the abdominopelvic region (E) can be opened like a hinged door (F) to ose the internal organs (G). The contents of the thoracic cavity (H) will also be visible. The second ge of the autopsy includes careful examination of many or all of the internal organs. The brain is to be mined as well and a portion of the skull must be removed by using a transverse cut at the very top of head. The face, arms and legs are usually not dissected unless there is a specific reason for doing so.	
a.	Label E-H and indicate the superficial and deep layers on the drawing you did for #1b.	
	Note <u>ALL</u> abnormalities, objects, etc. and their locations. (using appropriate terms for locations) Ex: a	
	deep cut is located in the anterior end proximal to the face.	
	The state of the s	
c.	Remove 2 "organs" and take the mass. (you might need to pretend certain parts are organs)	
	Organ 1 mass = g Description:	
	Organ 2 mass = g Description:	
	Description:	
d.	Remove the skull cap and remove the brain. Take the mass of the brain and look for any abnormalities mass =g Record findings here:	
	any abnormalities, objects, etc. and their locations. (using appropriate terms for locations) Ex: a deep ocated in the anterior end proximal to the face. Be sure to draw anything that will be necessary for you port.	ır

- 3. After the organs are returned to their proper body cavities, and the body is sewn up, the third phase of the autopsy begins. It is a microscopic examination of tissues collected during the first two stages. Tests to analyze the chemical content of body fluids or to determine the present of infectious organisms may also be performed. Examine a thin slice of patient (pickle) tissue under the microscope. BE SURE TO USE A COVERSLIP!
 - **a.** <u>Microscopic Examination:</u> Examine a <u>thin</u> slice of pickle tissue under the microscope and draw the structure of the tissue below:

Magnification used for sketch = $\underline{}$ x



b. Toxicology: The normal pH of this specimen's body tissues is 5-6.5. Collect a sample of body fluid from the epigastric region (I) and label I on sketch of internal examination.

pH = _____
Is the body fluid of normal color? _____
Is the fluid with in normal range, too acidic, or too basic? _____

(Normal pH of human body tissues is 7.35-7.45)

(pH of pickle juice is around 4)

(pH is on a scale of 0-14, low is acidic)

Conclusions:

What is your finding about the <u>cause of death</u> of this patient? Support your opinion with specific details from the autopsy. (Use appropriate terminology from this unit and apply within your answer. Create a story that involves how the death happened, when it happened, why it happened, what was discovered during the autopsy (cause of death), who this person, and who is the suspect in this case. (Causes of death include: loss of blood, lack of oxygen, lack of energy, build-up of toxins within the body, or no brain stimulation.) Support your opinion of the cause of death with specific details from the autopsy. Ex: Mr. Dill was stabbed in the heart with a knife that caused massive blood loss.

Burial Preparation: Prepare you patient for burial by replacing the organs and closing the flaps. Wrap your patient in paper towel and have a brief memorial service for him or her. Dispose of the remains in the trash receptacle.