Dr. Weis	Blood Vessels	Due Date:	Due Time:
A. Give	the formula for cardiac output and name two diff	erent and unique facto	ors that affect EACH part of the equation.
B. Regar	ding Blood Pressure (BP)		
	a. Give the normal accepted values with their un	its:	
	b. Name two <i>indirect</i> ways to measure BP:		
	i.	ii.	
	c. Name a <u>direct</u> way to measure BP:		
	d. Give the <u>formula</u> for the following:		
	i. Mean Arterial BPii. Pulse pressure		
	e. What type of receptor monitors BP?		
	f. Where are these receptors located? (give locat	ion)	
	g. Name a problem that can occur with BP:		
C. Regar	ding Blood Flow (BF):		
	a. Give the formula for local BF (to the tissues): _		
	b. How does this local BF formula relate to the w formulas]	hole body BF of cardia	c output? [Hint: see if you can combine both
	c. Which blood vessel (type) controls BF into the	capillary system?	
D. Regar	ding Capillaries:		
	a. Give their general function: b. Name the most common [histological] type of c. Name the four capillary dynamic pressures and 1)	capillary:	
	2)		
	3)		
	4)		
F. Name	two hormones that affect BP by giving their sour	ce, target, and action a	at the target cell/tissue.

Name:___

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a.

b.

F. Name two hormones that come from blood vessel lining and give their functions.				
G. Completely and properly define the following terms: a. osmosis				
b. portal vessels				
c. edema				
d. anastomosis				
H. Properly fill in the chart using a different example for each area/region				
Region/Area/ or Structure	Unique and different blood vessel example			
Venous return from the face				
Arterial supply to the brain				
Branch from aortic arch				
Superficial venous return from arm				
Arterial supply to chest				
Venous return from the heart wall				
Venous Portal System				
Arterial supply to the GI tract				
Superficial venous return from the leg				

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Anastomosis

Name/Initials: