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Voluntary quiz 3. Monday, May 20, 2002 Instructions: Circle the one best answer.

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. 1.	Which of the following changes in the electrical properties of a pacemaker cell can slow down the rate at which the cell initiates impulses?			
. *	(a) The threshold potential becomes less negative.  (b) The rate of spontaneous depolarization decreases.  (c) The maximum diastolic potential becomes more negative.  (a) or (b).  (a) or (c).  (b) or (c).  d. (c) only.  e. (a), or (b), or (c).			
2. In an experimental animal, the heart rate can be accelerated by:				
	(a) sectioning vagus nerves.  (b) stimulating vagus nerves.  (c) sectioning sympathetic nerves.  (d) stimulating sympathetic nerves.			
2	a. (a) only.			
	(c) sectioning sympathetic nerves. (d) stimulating sympathetic nerves.  a. (a) only. b. (a) or (b). c. (a) or (d). d. (b) or (d). e. (c) only.  If two vessels are connected in series, their total resistance to blood flow is:			
3.	If two vessels are connected in series, their total resistance to blood flow is:			
	the sum of their individual resistances.  b. the average of their individual resistances.  c. less than if they were connected in parallel.  d. equal to the resistance of the smaller vessel.  e. less than the resistance of either vessel alone.			
4.	A decrease in arterial pulse pressure can be expected with:			
1	a. aortic valve insufficiency. b. an increase in stroke volume. × an increase in vascular distensibility. d. Both (a) and (b) are correct choices. e. All of the above (a, b, & c) are correct choices.			
5.	The effect of vasoconstriction on net transcapillary fluid movement could also be produced by:			

increased plasma oncotic pressure. decreased venous pressure.

increased capillary permeability. All of the above (a, b & c) are correct choices.