

D-277 Dental Physiology Quiz 3
Tuesday, May 20, 2008

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Name

Student Number

1. During which phase of the cardiac cycle are the aortic and mitral valves closed and the left ventricular pressure rising ?
 - A. **Isovolumic contraction
 - B. Ejection
 - C. Isovolumic relaxation
 - D. Filling
2. Which one of the following will cause an increase in stroke volume ?
 - A. An increase in afterload
 - B. **An increase in contractility
 - C. A decrease in the diastolic ventricular compliance
 - D. An increase in heart rate
3. Varying which one of the following is the primary means used to regulate the total peripheral resistance ?
 - A. Blood viscosity
 - B. **Radii of the arterioles
 - C. Length of the capillaries
 - D. Radii of the capillaries
4. Which one of the following would be expected in a patient in heart failure ?
 - A. An ejection fraction of 0.8
 - B. Low systolic left ventricular wall stress
 - C. **Low left ventricular contractility
 - D. Low central venous pressure

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