G. Blood Pressure Color and label: Color: 4. aonta O myocardium O pressure arrows large artery 2. O arteriole Label: 6. capillary 3. aonic semilunar valve a. Contraction of myocardium. Elastic recoil of arteries. Figure 12.7. Arterial blood pressure. Exercise 12.7: _ 1. When the myocardium of the left ventricle contracts, the pressure in the ventricle_____(increases, decreases), (figure 12.7a) a. When the pressure in the left ventricle exceeds the pressure in the aorta, the aortic semilunar valve____(opens. closes). b. This pressure forces blood into the aorta, causing its pressure to_____ (increase, 2. When the pressure in the aorta exceeds the pressure in the left ventricle, the aortic semilunar valve_____ (opens, closes). (figure 12.7b) 3. The pressure of the blood on the walls of the aorta causes its elastic connective tissue 4. The pressure exerted by the heart muscle and the elastic rebound of the aorta and large arreries causes the blood to flow toward the_____. 5. Before blood reaches the capillaries, it passes through_____. a. The major structural feature of arterioles is____ b. When this smooth muscle contracts, the diameter of the arteriole becomes_ (larger, smaller). This is called _____(vasoconstriction, vasodilation). 6. Because arterioles restrict the flow of blood into capillaries, do-they-cause the pressure to be high or to be low in capillaries? b. arreries?