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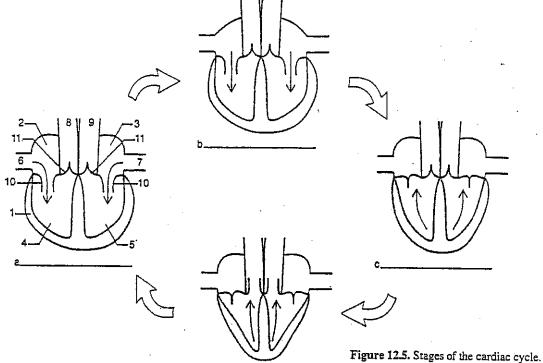
Color and label:

- 1. O myocardium
- 2. O right atrium (blue)
- 3. O left atrium (red)
- 4. O right ventricle (blue)
- 5. O left ventricle (red)

Label:

- 6. systemic veins
- 7. pulmonary veins
- 8. pulmonary arteries
- 9. aorta
- 10. atrioventricular valves

- II. semilunar valves
 - a. diastole
 - b. atrial systole
 - c. ventricular systole (isovolumetric)
 - d. ventricular systole (ejection)



Exercise 12.5:

1	During	diastole	the	myocardium	ic releved	/fi	13	5.1	
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- a. This allows blood to flow into the heart from the ____ and ____ veins.
- b. The semilunar valves are (closed, open).
- c. This means the pressure in the aorta and pulmonary arteries must be _____ (greater, less) than that of the ventricles.
- 2. When the atria contract, more blood is forced into the _____. (figure 12.5b)
 - 3. When the ventricular myocardium begins to contract, the pressure in the ventricles (increases, decreases). (figure 12.5c)
 - a. The first effect of this rise in pressure is to cause the _____ valves to _____.
 - b. The semilunar valves do not open until the pressure in the ventricles exceeds the pressure in the______. (figure 12.5d)
 - 4. The semilunar valves close when the pressure in the arteries becomes (greater, less) than that of the ventricles. (figure 12.5a)
 - 5. If the arterial blood pressure is elevated, it becomes (harder, easier) for the ventricles to eject blood.