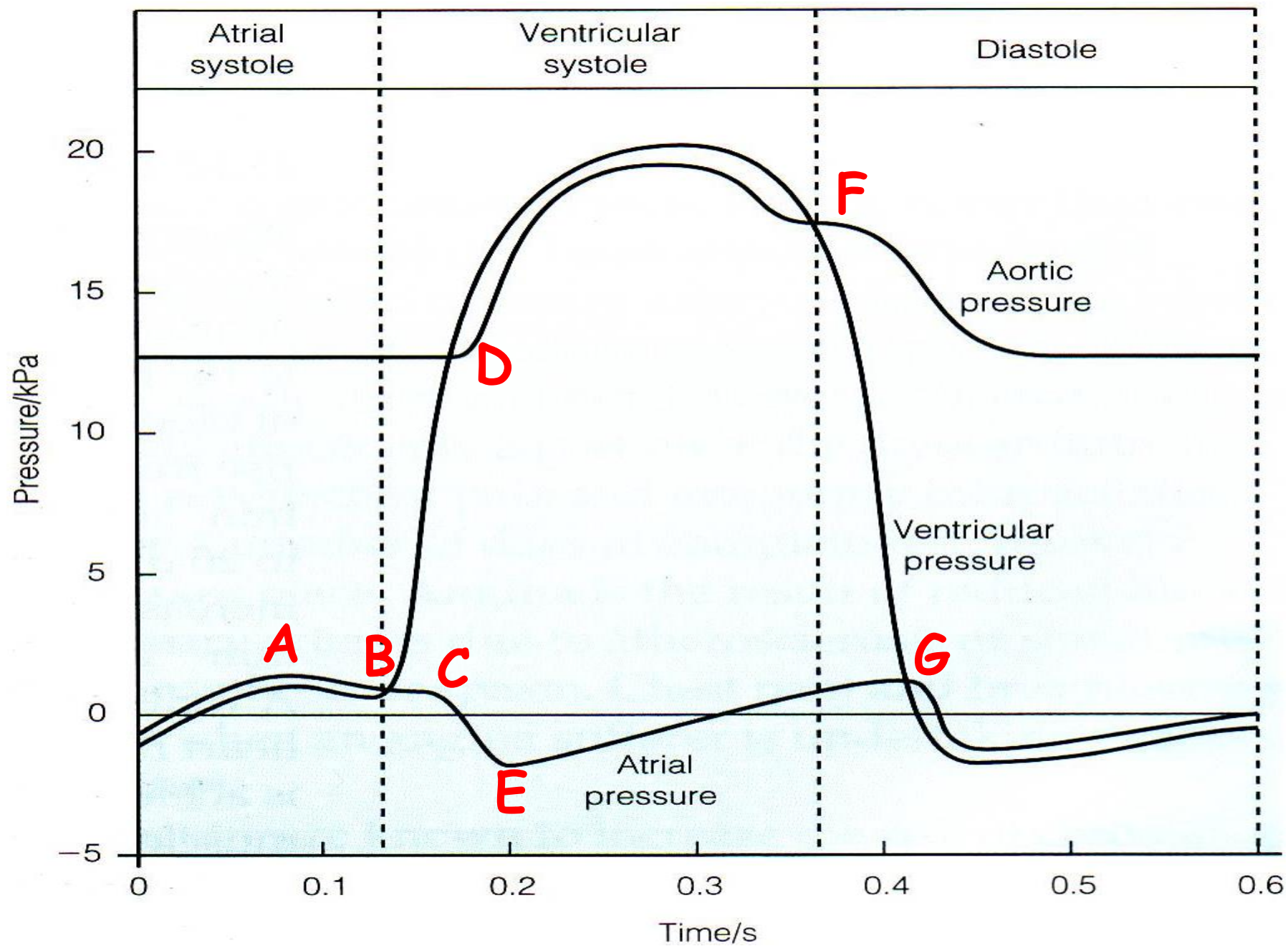


Homework:

For each letter on the graph, relate each change in pressure to the event that is taking place



Answers:

- A. Atria contract to push last of blood into the ventricles
- B. The ventricles contract and pressure increases in ventricles to above atrial pressure so AV valves close
- C. Atrial pressure increases slightly as AV valves bulge into them. As blood leaves ventricles there is less pressure on the atria and it's pressure drops again
- D. Pressure in ventricles becomes greater than that in the arteries leaving them e.g. aorta and pulmonary artery, so semi lunar valves open
- E. Blood starts to flow into the atria again from the veins e.g. vena cava and pulmonary vein - atrial pressure gradually increases
- F. Pressure in arteries becomes higher than ventricles so semi lunar valves close
- G. Pressure from blood in atria force AV valves open as it is higher than in the ventricles (remember it is not atrial systole yet)