Heart Anatomy Review

The figure below shows an anterior view of a longitudinal section of the heart. Identify each structure listed below.

Heart Chambers

4. _________________
7. _________________
9. _________________
12. _________________

Great Vessels

1. _________________
13. _________________
15. _________________
16. _________________

Sequence the vessels, chambers and valves that a red blood cell would encounter during its 45-second journey through the circulatory system, beginning in the left atrium. Write 1 next to the first structure, then 2 next to the second, etc.

____ Aorta  ____ Systemic body tissues
____ R or L pulmonary artery  ____ Inf. or sup. vena cava
____ Lungs  ____ Right atrium
____ Left atrium  ____ Right ventricle
____ Left ventricle  ____ R or L pulmonary veins

Why is blockage of a coronary artery (such as from coronary artery disease) especially dangerous?