Name the 4 chambers in the heart and indicate whether they contain oxygenated or deoxygenated blood.
(1)
(2)
(3)
(4)
Which chambers of the heart can be viewed anteriorly?
(5) and (6)
The pericardium of the heart is composed of 2 structures. What are they?
(7) and (8)
The inner structure is further divided into 2 layers. (9) and (10), which is also the outermost layer of the heart. This layer (10) is also known as the <u>epicardium</u> . Between the 2 layers is a thin fluid-filled cavity called (11) cavity. The fluid provides a frictionless environment for the pumping motion of the heart.
There are 2 pericardial sinuses. They are (12) and
. Make sure you know their locations.
Name the 4 valves of the heart and the great vessels. Indicate the location and number of cusps for each of the valve.
(14)
(15)
(16)
(17)
What is the function of heart valves and the valves in the veins?
(18)

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What are the structures that are attack out when the ventricles contracts?	hed to the edges of heart valves to prevent them from turning inside
(19)	which are linked to wall of the ventricles through
(20)	
The internal surfaces of the right atrium	as well as both auricles are not smooth. Those rough ridges are named
(21)	·
The depression located at the interatria	al (between the 2 atria) septum is named (22)
In fetus, this area, called	, is open so that the atria are connected to each other. When
a newborn baby takes the first breath, t	his area closes to prevent mixing of deoxygenated blood from the right
atrium with the oxygenated blood in th	e left atrium.
The internal surfaces of both ventricle	es are rough. The irregular muscular elevations in the ventricles are
named (23)	·
Blood supply to the heart depends or	n the left and right coronary arteries. These arteries originate from
(24) The	e opening of these arteries are located in the left and right
(25) The	e right coronary artery gives rise to 2 arteries:
(26)	, which supplies the right border of the heart and
(27)	, which supplies the inferior surface of the heart (both
ventricles) and the interventricular s	septum. The left coronary artery gives rise to 2 arteries named
(28)	and (29)
The coronary arteries can be visualized	by a technique called coronary arteriography, which is used to detect
obstruction. An obstructed coronary a	artery will lead to myocardial infarction in which the heart muscles
supplied by the obstructed artery die fr	om loss of blood supply.
The nerves supplying the heart come f	from the autonomous nervous system that forms the cardiac plexus.
These nerve fibers come from (30) nervous systems.) and (31)

Name the great vessels of the heart and indicate (a) which chamber it leads to or arise from and (b) whether it contains oxygenated blood or deoxygenated blood.
(32)
(33)
(34)
(35)
(36)
The aortic arch gives rise to 3 arteries that supply the head and the upper limbs. Name the arteries. Which of them supplies the left upper limb?
(37)
Which parts of the body drain blood into the inferior vena cava?
(38)
Which parts of the body drain blood into the superior vena cava?
(39)
Which chambers of the heart has the thickest wall? (40)
List, from inner most to the outermost, the 3 layers in the wall of the heart. Which layer is the thickest?
(41)
List, from inner most to the outermost, the 3 layers of pericardium.
(42)
State the 2 circuits of the circulatory system and briefly describe their respective function.
(43)
Name the vein that drains blood from the brain to the heart. (44)
Which heart chamber is responsible for receiving oxygenated blood from the lungs? (45)
The only artery of the body that carries deoxygenated blood away from the heart is (46)
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