

The Heart - Multiple Choice Worksheet

Name: _____

Date: _____

Instructions: Choose the correct answer from the options provided.

1. **What is the primary function of the heart?**
 - a) To pump oxygen into the lungs
 - b) To pump blood throughout the body
 - c) To produce red blood cells
 - d) To control blood pressure
2. **Which chamber of the heart receives oxygen-poor blood from the body?**
 - a) Left atrium
 - b) Right atrium
 - c) Left ventricle
 - d) Right ventricle
3. **Oxygen-rich blood is pumped from the heart to the body through which artery?**
 - a) Pulmonary artery
 - b) Aorta
 - c) Coronary artery
 - d) Vena cava
4. **What is the role of the valves in the heart?**
 - a) To regulate blood pressure
 - b) To prevent blood from flowing backward
 - c) To pump blood into the lungs
 - d) To separate the left and right sides of the heart
5. **The blood vessels that carry blood away from the heart are called:**
 - a) Veins
 - b) Capillaries
 - c) Arteries
 - d) Lymphatics
6. **Which part of the heart pumps oxygen-poor blood to the lungs?**
 - a) Left ventricle
 - b) Right ventricle
 - c) Left atrium
 - d) Right atrium
7. **Which of the following structures delivers oxygen-poor blood from the body back to the heart?**
 - a) Aorta
 - b) Pulmonary vein
 - c) Superior and inferior vena cava
 - d) Pulmonary artery
8. **What is the name of the thick muscular layer of the heart?**
 - a) Endocardium
 - b) Myocardium
 - c) Pericardium
 - d) Epicardium
9. **The right side of the heart pumps blood to the:**
 - a) Lungs
 - b) Brain
 - c) Body
 - d) Kidneys
10. **Which part of the heart has the thickest walls due to the high pressure it creates?**
 - a) Right atrium
 - b) Left atrium
 - c) Right ventricle
 - d) Left ventricle
11. **Which blood vessels supply oxygen and nutrients directly to the heart muscle?**
 - a) Pulmonary arteries
 - b) Coronary arteries
 - c) Carotid arteries
 - d) Jugular veins
12. **What is the function of the septum in the heart?**
 - a) To separate the heart from the lungs
 - b) To divide the left and right sides of the heart
 - c) To regulate heart rhythm
 - d) To connect the ventricles to the atria
13. **The pacemaker of the heart is also known as the:**
 - a) AV node
 - b) SA node
 - c) Bundle of His
 - d) Purkinje fibers
14. **Which chamber of the heart pumps oxygen-rich blood to the body?**
 - a) Left atrium
 - b) Right atrium
 - c) Left ventricle
 - d) Right ventricle

15. **What is the primary component of the heart's conduction system that controls heartbeats?**
- a) Myocardium
 - b) Sinoatrial node
 - c) Endocardium
 - d) Pericardium
16. **What happens during systole?**
- a) The atria contract and the ventricles relax
 - b) The ventricles contract and pump blood out of the heart
 - c) The heart relaxes completely
 - d) Blood flows into the ventricles
17. **The lower chambers of the heart are called:**
- a) Atria
 - b) Ventricles
 - c) Valves
 - d) Nodes
18. **Which of the following best describes the function of the pulmonary veins?**
- a) Carry oxygen-poor blood to the lungs
 - b) Carry oxygen-rich blood from the lungs to the heart
 - c) Carry oxygen-poor blood from the body to the heart
 - d) Carry oxygen-rich blood from the heart to the body
19. **Which blood vessel is responsible for carrying oxygen-poor blood from the right ventricle to the lungs?**
- a) Aorta
 - b) Pulmonary vein
 - c) Pulmonary artery
 - d) Coronary artery
20. **Which condition refers to the blockage of blood flow to the heart muscle, potentially leading to tissue damage?**
- a) Arrhythmia
 - b) Atherosclerosis
 - c) Myocardial infarction (heart attack)
 - d) Hypertension
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Answer Key

1. b) To pump blood throughout the body
2. b) Right atrium
3. b) Aorta
4. b) To prevent blood from flowing backward
5. c) Arteries
6. b) Right ventricle
7. c) Superior and inferior vena cava
8. b) Myocardium
9. a) Lungs
10. d) Left ventricle
11. b) Coronary arteries
12. b) To divide the left and right sides of the heart
13. b) SA node
14. c) Left ventricle
15. b) Sinoatrial node
16. b) The ventricles contract and pump blood out of the heart
17. b) Ventricles
18. b) Carry oxygen-rich blood from the lungs to the heart
19. c) Pulmonary artery
20. c) Myocardial infarction (heart attack)