**Input File**

You can feel your heart thudding away every time you put your hand to your chest

But do you have any idea what's really going on in there or what keeps your heart ticking as it should every day your heart beats about one hundred thousand times sending two thousand gallons of blood surging through your body

Although it's no bigger than your fist, your heart has the mighty job of keeping the blood flowing through sixty thousand miles of blood vessels that feed your organs and tissues food, water and oxygen are essential for the existence of human life

Blood transports all these substances through various channels called blood vessels

Blood vessels involves arteries veins capilaries

To keep the blood flowing through at our bonnie we have a pumping system and the heart is the pump, which is composed of muscle that pumps blood throughout the body, beating approximately seventy two times per minute of our lives

The human heart has four chambers, the right atrium, the left atrium, the right ventricle and the left ventricle

There are four valves in the heart

These valves are Custom valve, mitral valve, aortic valve, pulmonic valve

These valves are one way valves now you have seen the structure of the heart

Let us find out how it works

The blood becomes oxygen rich by absorbing oxygen in the lungs

the function of the heart starts one oxygenated blood is carried from the lungs to the left atrium of the heart by means of the pulmonary veins the left atrium relaxes this blood is pumped into the heart when the left atrium contracts the left ventricle relaxes simultaneously the left atrium pushes the blood into the left ventricle through the one way valve

when the left ventricle contracts that blood is pumped into the aorta which carries oxygenated blood to the different parts of the body except the lungs oxygenated blood reaches the different parts of the body through the blood vessels called the arteries

the arteries gets branched into capital aries which then reaches to the different organs of the bonnie the blood and becomes the oxygenated

the blood capital area's gets mixed inform thicker blood vessels called the veins

the veins carried the oxygenated blood to the heart the blood vessels that carried the oxygenated blood heart are known as the van akhatova

the de oxygenated blood from different parts of body enters the upper right chamber of the heart which is called the right atrium

the right atrium gets contracted allowing the blood to flow into the right ventricle which contracts with the expansion of the right atrium through the one way valve

the right ventricle than contracts pushing the blood into the pulmonary artery the pulmonary artery carries the de oxygenated blood to the lungs for oxygenation

the lungs oxygenates the blood by exchanging of gases and flows back into the heart through the pulmonary vein and starts the circulatory cycle all over again

**Human Summary**

Human heart beats one hundred thousand times sending two thousand gallons of blood everyday Heart has the job of keeping blood flowing through sixty thousand miles of tissues

Blood vessels have arteries veins capilaries

Heart has four chambers left atrium , right atrium , left ventricle , right ventricle

Heart has four one way valves Tricuspid valve , mitral valve, aortic valve, pulmonic valve

viens carry oxygenated blood from lungs to the left atrium.

when left atrium relaxes,the blood is pumped into the heart.when left atrium contractes, it pushes the blood into left ventricle.when left ventricle contractes it pushes the blood into aorta which carries blood to different parts of the body

Viens carry deoxygenated blood to the heart and it enters the right atrium and which pushes into the right ventricle on contraction.

Ventricle pushes the deoxygenated blood in pulmonary artery and crries to lungs and oxygenate the blood again.

**System generated LEX Rank summary**

**Text Output**

But do you have any idea what's really going on in there or what keeps your heart ticking as it should every day your heart beats about one hundred thousand times sending two thousand gallons of blood surging through your body

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**Audio Output**

**Braille Text**

⠃⠥⠞ ⠙⠕ ⠽⠕⠥ ⠓⠁⠧⠑ ⠁⠝⠽ ⠊⠙⠑⠁ ⠺⠓⠁⠞'⠎ ⠗⠑⠁⠇⠇⠽ ⠛⠕⠊⠝⠛ ⠕⠝ ⠊⠝ ⠞⠓⠑⠗⠑ ⠕⠗ ⠺⠓⠁⠞ ⠅⠑⠑⠏⠎ ⠽⠕⠥⠗ ⠓⠑⠁⠗⠞ ⠞⠊⠉⠅⠊⠝⠛ ⠁⠎ ⠊⠞ ⠎⠓⠕⠥⠇⠙ ⠑⠧⠑⠗⠽ ⠙⠁⠽ ⠽⠕⠥⠗ ⠓⠑⠁⠗⠞ ⠃⠑⠁⠞⠎ ⠁⠃⠕⠥⠞ ⠕⠝⠑ ⠓⠥⠝⠙⠗⠑⠙ ⠞⠓⠕⠥⠎⠁⠝⠙ ⠞⠊⠍⠑⠎ ⠎⠑⠝⠙⠊⠝⠛ ⠞⠺⠕ ⠞⠓⠕⠥⠎⠁⠝⠙ ⠛⠁⠇⠇⠕⠝⠎ ⠕⠋ ⠃⠇⠕⠕⠙ ⠎⠥⠗⠛⠊⠝⠛ ⠞⠓⠗⠕⠥⠛⠓ ⠽⠕⠥⠗ ⠃⠕⠙⠽

⠞⠓⠑ ⠋⠥⠝⠉⠞⠊⠕⠝ ⠕⠋ ⠞⠓⠑ ⠓⠑⠁⠗⠞ ⠎⠞⠁⠗⠞⠎ ⠕⠝⠑ ⠕⠭⠽⠛⠑⠝⠁⠞⠑⠙ ⠃⠇⠕⠕⠙ ⠊⠎ ⠉⠁⠗⠗⠊⠑⠙ ⠋⠗⠕⠍ ⠞⠓⠑ ⠇⠥⠝⠛⠎ ⠞⠕ ⠞⠓⠑ ⠇⠑⠋⠞ ⠁⠞⠗⠊⠥⠍ ⠕⠋ ⠞⠓⠑ ⠓⠑⠁⠗⠞ ⠃⠽ ⠍⠑⠁⠝⠎ ⠕⠋ ⠞⠓⠑ ⠏⠥⠇⠍⠕⠝⠁⠗⠽ ⠧⠑⠊⠝⠎ ⠞⠓⠑ ⠇⠑⠋⠞ ⠁⠞⠗⠊⠥⠍ ⠗⠑⠇⠁⠭⠑⠎ ⠞⠓⠊⠎ ⠃⠇⠕⠕⠙ ⠊⠎ ⠏⠥⠍⠏⠑⠙ ⠊⠝⠞⠕ ⠞⠓⠑ ⠓⠑⠁⠗⠞ ⠺⠓⠑⠝ ⠞⠓⠑ ⠇⠑⠋⠞ ⠁⠞⠗⠊⠥⠍ ⠉⠕⠝⠞⠗⠁⠉⠞⠎ ⠞⠓⠑ ⠇⠑⠋⠞ ⠧⠑⠝⠞⠗⠊⠉⠇⠑ ⠗⠑⠇⠁⠭⠑⠎ ⠎⠊⠍⠥⠇⠞⠁⠝⠑⠕⠥⠎⠇⠽ ⠞⠓⠑ ⠇⠑⠋⠞ ⠁⠞⠗⠊⠥⠍ ⠏⠥⠎⠓⠑⠎ ⠞⠓⠑ ⠃⠇⠕⠕⠙ ⠊⠝⠞⠕ ⠞⠓⠑ ⠇⠑⠋⠞ ⠧⠑⠝⠞⠗⠊⠉⠇⠑ ⠞⠓⠗⠕⠥⠛⠓ ⠞⠓⠑ ⠕⠝⠑ ⠺⠁⠽ ⠧⠁⠇⠧⠑

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**System generated TEXT Rank Summary**

**Text Output**

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**Audio Output**

**Braille Text**

⠞⠓⠑ ⠋⠥⠝⠉⠞⠊⠕⠝ ⠕⠋ ⠞⠓⠑ ⠓⠑⠁⠗⠞ ⠎⠞⠁⠗⠞⠎ ⠕⠝⠑ ⠕⠭⠽⠛⠑⠝⠁⠞⠑⠙ ⠃⠇⠕⠕⠙ ⠊⠎ ⠉⠁⠗⠗⠊⠑⠙ ⠋⠗⠕⠍ ⠞⠓⠑ ⠇⠥⠝⠛⠎ ⠞⠕ ⠞⠓⠑ ⠇⠑⠋⠞ ⠁⠞⠗⠊⠥⠍ ⠕⠋ ⠞⠓⠑ ⠓⠑⠁⠗⠞ ⠃⠽ ⠍⠑⠁⠝⠎ ⠕⠋ ⠞⠓⠑ ⠏⠥⠇⠍⠕⠝⠁⠗⠽ ⠧⠑⠊⠝⠎ ⠞⠓⠑ ⠇⠑⠋⠞ ⠁⠞⠗⠊⠥⠍ ⠗⠑⠇⠁⠭⠑⠎ ⠞⠓⠊⠎ ⠃⠇⠕⠕⠙ ⠊⠎ ⠏⠥⠍⠏⠑⠙ ⠊⠝⠞⠕ ⠞⠓⠑ ⠓⠑⠁⠗⠞ ⠺⠓⠑⠝ ⠞⠓⠑ ⠇⠑⠋⠞ ⠁⠞⠗⠊⠥⠍ ⠉⠕⠝⠞⠗⠁⠉⠞⠎ ⠞⠓⠑ ⠇⠑⠋⠞ ⠧⠑⠝⠞⠗⠊⠉⠇⠑ ⠗⠑⠇⠁⠭⠑⠎ ⠎⠊⠍⠥⠇⠞⠁⠝⠑⠕⠥⠎⠇⠽ ⠞⠓⠑ ⠇⠑⠋⠞ ⠁⠞⠗⠊⠥⠍ ⠏⠥⠎⠓⠑⠎ ⠞⠓⠑ ⠃⠇⠕⠕⠙ ⠊⠝⠞⠕ ⠞⠓⠑ ⠇⠑⠋⠞ ⠧⠑⠝⠞⠗⠊⠉⠇⠑ ⠞⠓⠗⠕⠥⠛⠓ ⠞⠓⠑ ⠕⠝⠑ ⠺⠁⠽ ⠧⠁⠇⠧⠑

⠺⠓⠑⠝ ⠞⠓⠑ ⠇⠑⠋⠞ ⠧⠑⠝⠞⠗⠊⠉⠇⠑ ⠉⠕⠝⠞⠗⠁⠉⠞⠎ ⠞⠓⠁⠞ ⠃⠇⠕⠕⠙ ⠊⠎ ⠏⠥⠍⠏⠑⠙ ⠊⠝⠞⠕ ⠞⠓⠑ ⠁⠕⠗⠞⠁ ⠺⠓⠊⠉⠓ ⠉⠁⠗⠗⠊⠑⠎ ⠕⠭⠽⠛⠑⠝⠁⠞⠑⠙ ⠃⠇⠕⠕⠙ ⠞⠕ ⠞⠓⠑ ⠙⠊⠋⠋⠑⠗⠑⠝⠞ ⠏⠁⠗⠞⠎ ⠕⠋ ⠞⠓⠑ ⠃⠕⠙⠽ ⠑⠭⠉⠑⠏⠞ ⠞⠓⠑ ⠇⠥⠝⠛⠎ ⠕⠭⠽⠛⠑⠝⠁⠞⠑⠙ ⠃⠇⠕⠕⠙ ⠗⠑⠁⠉⠓⠑⠎ ⠞⠓⠑ ⠙⠊⠋⠋⠑⠗⠑⠝⠞ ⠏⠁⠗⠞⠎ ⠕⠋ ⠞⠓⠑ ⠃⠕⠙⠽ ⠞⠓⠗⠕⠥⠛⠓ ⠞⠓⠑ ⠃⠇⠕⠕⠙ ⠧⠑⠎⠎⠑⠇⠎ ⠉⠁⠇⠇⠑⠙ ⠞⠓⠑ ⠁⠗⠞⠑⠗⠊⠑⠎

⠞⠓⠑ ⠧⠑⠊⠝⠎ ⠉⠁⠗⠗⠊⠑⠙ ⠞⠓⠑ ⠕⠭⠽⠛⠑⠝⠁⠞⠑⠙ ⠃⠇⠕⠕⠙ ⠞⠕ ⠞⠓⠑ ⠓⠑⠁⠗⠞ ⠞⠓⠑ ⠃⠇⠕⠕⠙ ⠧⠑⠎⠎⠑⠇⠎ ⠞⠓⠁⠞ ⠉⠁⠗⠗⠊⠑⠙ ⠞⠓⠑ ⠕⠭⠽⠛⠑⠝⠁⠞⠑⠙ ⠃⠇⠕⠕⠙ ⠓⠑⠁⠗⠞ ⠁⠗⠑ ⠅⠝⠕⠺⠝ ⠁⠎ ⠞⠓⠑ ⠧⠁⠝ ⠁⠅⠓⠁⠞⠕⠧⠁

⠞⠓⠑ ⠗⠊⠛⠓⠞ ⠧⠑⠝⠞⠗⠊⠉⠇⠑ ⠞⠓⠁⠝ ⠉⠕⠝⠞⠗⠁⠉⠞⠎ ⠏⠥⠎⠓⠊⠝⠛ ⠞⠓⠑ ⠃⠇⠕⠕⠙ ⠊⠝⠞⠕ ⠞⠓⠑ ⠏⠥⠇⠍⠕⠝⠁⠗⠽ ⠁⠗⠞⠑⠗⠽ ⠞⠓⠑ ⠏⠥⠇⠍⠕⠝⠁⠗⠽ ⠁⠗⠞⠑⠗⠽ ⠉⠁⠗⠗⠊⠑⠎ ⠞⠓⠑ ⠙⠑ ⠕⠭⠽⠛⠑⠝⠁⠞⠑⠙ ⠃⠇⠕⠕⠙ ⠞⠕ ⠞⠓⠑ ⠇⠥⠝⠛⠎ ⠋⠕⠗ ⠕⠭⠽⠛⠑⠝⠁⠞⠊⠕⠝