

### Circulatory System Crossword

The crossword puzzle grid consists of 52 numbered starting points for words. The numbers are distributed as follows:

- 1: 10 letters, top row, left.
- 2: 10 letters, top row, right.
- 3: 10 letters, top row, middle.
- 4: 10 letters, top row, far right.
- 5: 10 letters, second row, middle.
- 6: 10 letters, second row, left.
- 7: 10 letters, second row, right.
- 8: 10 letters, third row, left.
- 9: 10 letters, third row, middle.
- 10: 10 letters, third row, right.
- 11: 10 letters, fourth row, left.
- 12: 10 letters, fourth row, right.
- 13: 10 letters, fifth row, left.
- 14: 10 letters, fifth row, middle.
- 15: 10 letters, fifth row, right.
- 16: 10 letters, sixth row, left.
- 17: 10 letters, sixth row, middle.
- 18: 10 letters, sixth row, right.
- 19: 10 letters, seventh row, left.
- 20: 10 letters, seventh row, middle.
- 21: 10 letters, seventh row, right.
- 22: 10 letters, eighth row, left.
- 23: 10 letters, eighth row, middle.
- 24: 10 letters, eighth row, right.
- 25: 10 letters, ninth row, left.
- 26: 10 letters, ninth row, middle.
- 27: 10 letters, ninth row, right.
- 28: 10 letters, tenth row, left.
- 29: 10 letters, tenth row, middle.
- 30: 10 letters, tenth row, right.
- 31: 10 letters, eleventh row, left.
- 32: 10 letters, eleventh row, middle.
- 33: 10 letters, eleventh row, right.
- 34: 10 letters, twelfth row, left.
- 35: 10 letters, twelfth row, middle.
- 36: 10 letters, twelfth row, right.
- 37: 10 letters, thirteenth row, left.
- 38: 10 letters, thirteenth row, middle.
- 39: 10 letters, thirteenth row, right.
- 40: 10 letters, fourteenth row, left.
- 41: 10 letters, fourteenth row, middle.
- 42: 10 letters, fourteenth row, right.
- 43: 10 letters, fifteenth row, left.
- 44: 10 letters, fifteenth row, middle.
- 45: 10 letters, fifteenth row, right.
- 46: 10 letters, sixteenth row, left.
- 47: 10 letters, sixteenth row, middle.
- 48: 10 letters, sixteenth row, right.
- 49: 10 letters, seventeenth row, left.
- 50: 10 letters, seventeenth row, middle.
- 51: 10 letters, eighteenth row, left.
- 52: 10 letters, eighteenth row, right.

## Across

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- Thin walled blood vessels that are the site of nutrient and gas exchange between the blood and tissue fluid.
- Each heartbeat is called a \_\_\_\_\_ (2 words).
- The atrioventricular \_\_\_\_\_ valve separates the left atrium and left ventricle.
- This major vein returns blood from the head to the heart.
- The right side of the heart is responsible for the \_\_\_\_\_ circuit.
- The \_\_\_\_\_ arteries and veins take blood to and from the arms.
- Device used to measure blood pressure.
- Chamber collects blood returning from the body (2 words).
- Connects the right and left atrium to allow blood to bypass the lungs in fetal circulation (2 words).
- The muscles found in the arterioles that can regulate the flow of blood through a capillary bed.
- These are found only in veins and prevent blood from flowing backwards
- Term for low blood pressure.
- Muscular wall of tissue that separates the two halves of the heart
- Category of blood vessels responsible for returning blood to the heart.
- This term refers to the vessels that divide in the pelvic region and begin heading to the legs.
- Refers to the contraction of heart muscle.
- The atrioventricular \_\_\_\_\_ valve separates the right atrium and right ventricle.
- This artery takes blood to the digestive system.
- The largest artery in the body.
- Category of blood vessels that carry blood away from the heart.
- Very muscular chamber that sends blood to the body (2 words).
- There are two of these valves: the aortic and pulmonary.
- These fibers receive an electrical signal from the AV node through the AV bundle and cause the ventricles to contract.
- Chamber that sends blood to the lungs (2 words).
- Composed mainly of water, provides the fluid component to blood.
- Scientific name for red blood cells.

## Down

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- Blood vessels responsible for controlling the flow of blood leading to the capillaries.
- This node is known as our natural "pacemaker" and is responsible for signaling the atria to contract.
- The \_\_\_\_\_ capillaries collect excess tissue fluid.
- This word refers to the vessels that interact with the liver.
- The \_\_\_\_\_ nervous system is responsible for modifying heart rate.
- These arteries and veins are responsible for supplying the heart tissue with blood.
- The heart is found within this thick, serous membrane that secretes a lubricating fluid
- Name for cardiac muscle tissue
- The superior and inferior \_\_\_\_\_ return blood from the upper and lower body to the right atrium (2 words).
- Drain blood out of the capillaries and combine to form veins.
- Describes the wave effect that passes down the walls of arteries when the aorta expands then recoils with each ventricular contraction.
- These are referred to as our "heart strings" and help keep the AV valves closed (2 words).
- Scientific name for white blood cells.
- This major artery runs up the side of your neck to your head.
- This node is found on the wall of the right atrium and is responsible for signaling the ventricles to contract.
- Connects the umbilical vein to the inferior vena cava in a fetus.
- Found only in red blood cells, this carries oxygen and carbon dioxide.
- A recording of the changes that occur in the myocardium during a cardiac cycle (P-QRS-T)
- Scientific name for platelets.
- Usually measured using the brachial artery in the arm, a normal reading is 120/80.
- Chamber that collects blood returning from the lungs (2 words).
- Term for high blood pressure.
- The \_\_\_\_\_ artery and vein take blood to the kidneys then back to the heart.
- Refers to the relaxation of heart muscle
- The left side of the heart is responsible for the \_\_\_\_\_ circuit.
- Produced by lymphocytes in response to an "invader" in the body.