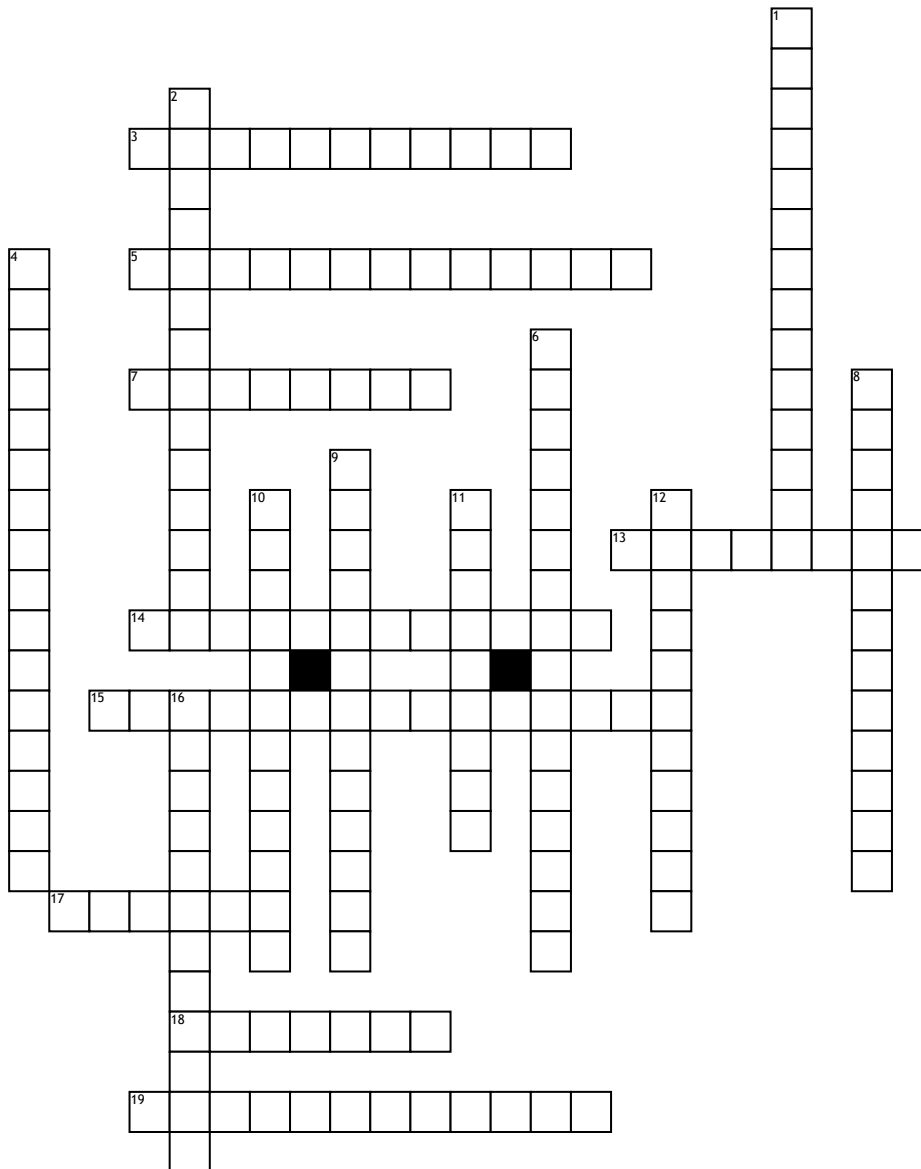


Cardiovascular System



Across

- 3. This is when I have a resting HR lower than 60bpm
- 5. I sub divide the bundle of his and branch around the ventricles to stimulate a contraction
- 7. I am the phase when the heart is relaxed and filling
- 13. When the heart creates its own electrical impulse
- 14. The return of the blood to the right atria through the veins
- 15. I am the system that carries oxygenated blood to the body and deoxygenated blood back to the heart

- 17. I fill up from the vena cava with de-oxygenated blood
- 18. I am the phase that is the contraction of the cardiac muscle
- 19. This process occurs every time the heart beats

Down

- 1. Located in the right atrial wall and generate the electrical impulse
- 2. I prevent the back flow of blood into the right ventricle
- 4. The process of stimulating a heart beat
- 6. I am the system that carries deoxygenated blood to the lungs and oxygenated blood back to the heart

- 8. $HR \times SV =$
- 9. I prevent the back flow of blood into the left ventricle
- 10. The volume of blood ejected from the left ventricle per beat
- 11. I am the chamber that is located at the bottom of the heart
- 12. Is when I increase in size and strength
- 16. Increased venous return leads to an increased stroke volume, due to an increased stretch of ventricle walls and therefore force of contraction