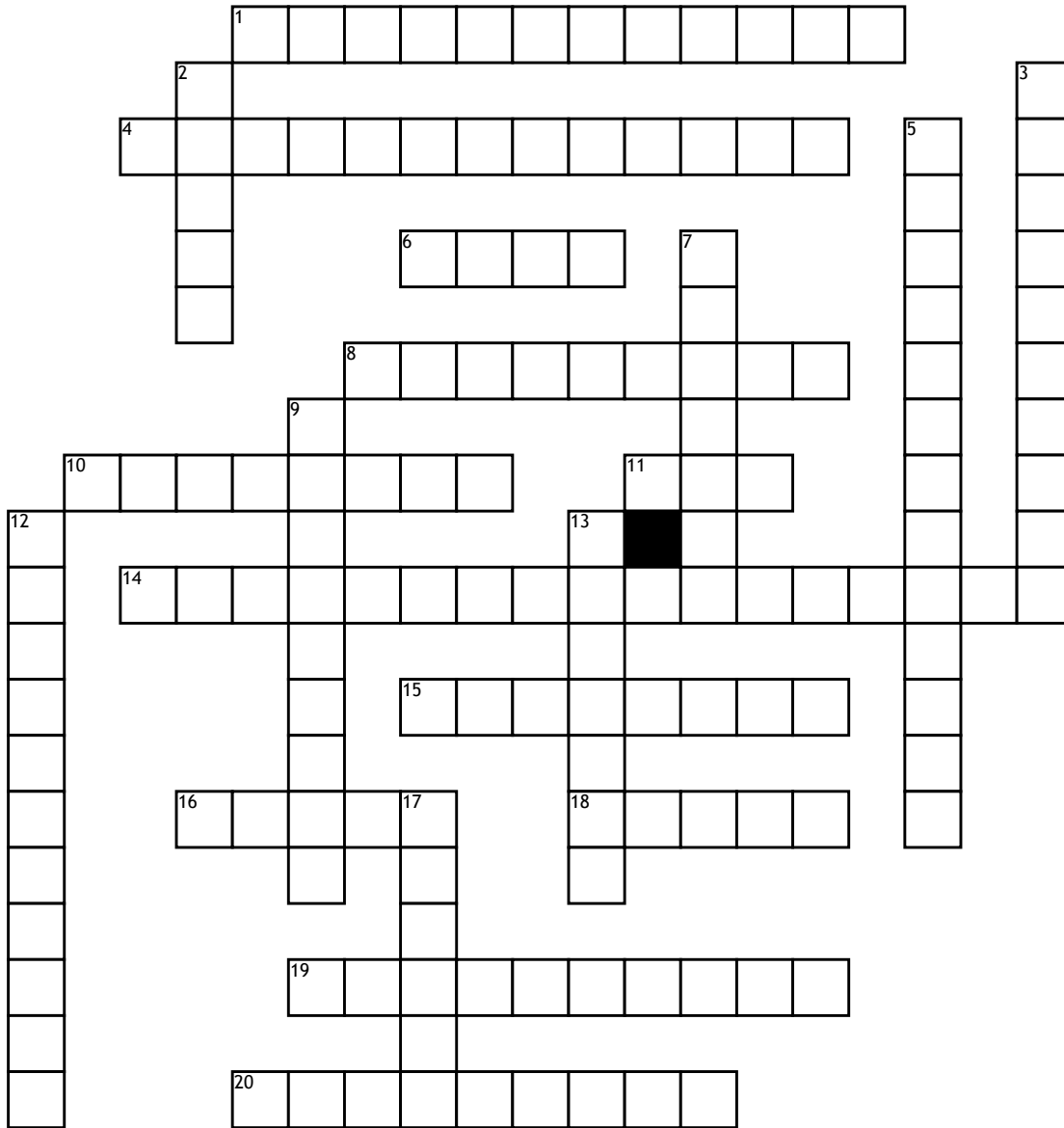


# Cardiovascular System



**Across**

- 1. what is cardiac output most reliant on?
- 4. what does the refractory period in cardiac muscle prevent
- 6. External pressure on the carotid will \_\_\_ HR
- 8. what type of rhythmicity does the heart have
- 10. An increase in myocardial contractility and HR will \_\_\_ demand of O<sub>2</sub>
- 11. The right side of the heart has \_\_\_ pressure
- 14. how is the heart connected to allow chemical and electrical coupling

- 15. what is the relaxation phase where the heart fills with blood
- 16. where is 65% of blood volume at rest?
- 18. exercise favors \_\_\_ dominance
- 19. What is the heart muscle called?
- 20. what is the name of the load which muscle exerts a contractile force

**Down**

- 2. What organ has its own blood supply
- 3. during prolonged exercise 70% heart's energy comes from \_\_\_
- 5. what will the command center maintain over anything?

- 7. What is the work phase where the heart pumps blood
- 9. What is the most important function of the atria
- 12. Ventricles have what type of extrinsic regulation
- 13. movement of the heart valves are essential \_\_\_\_\_
- 17. where does the electrical impulse in the heart originate?