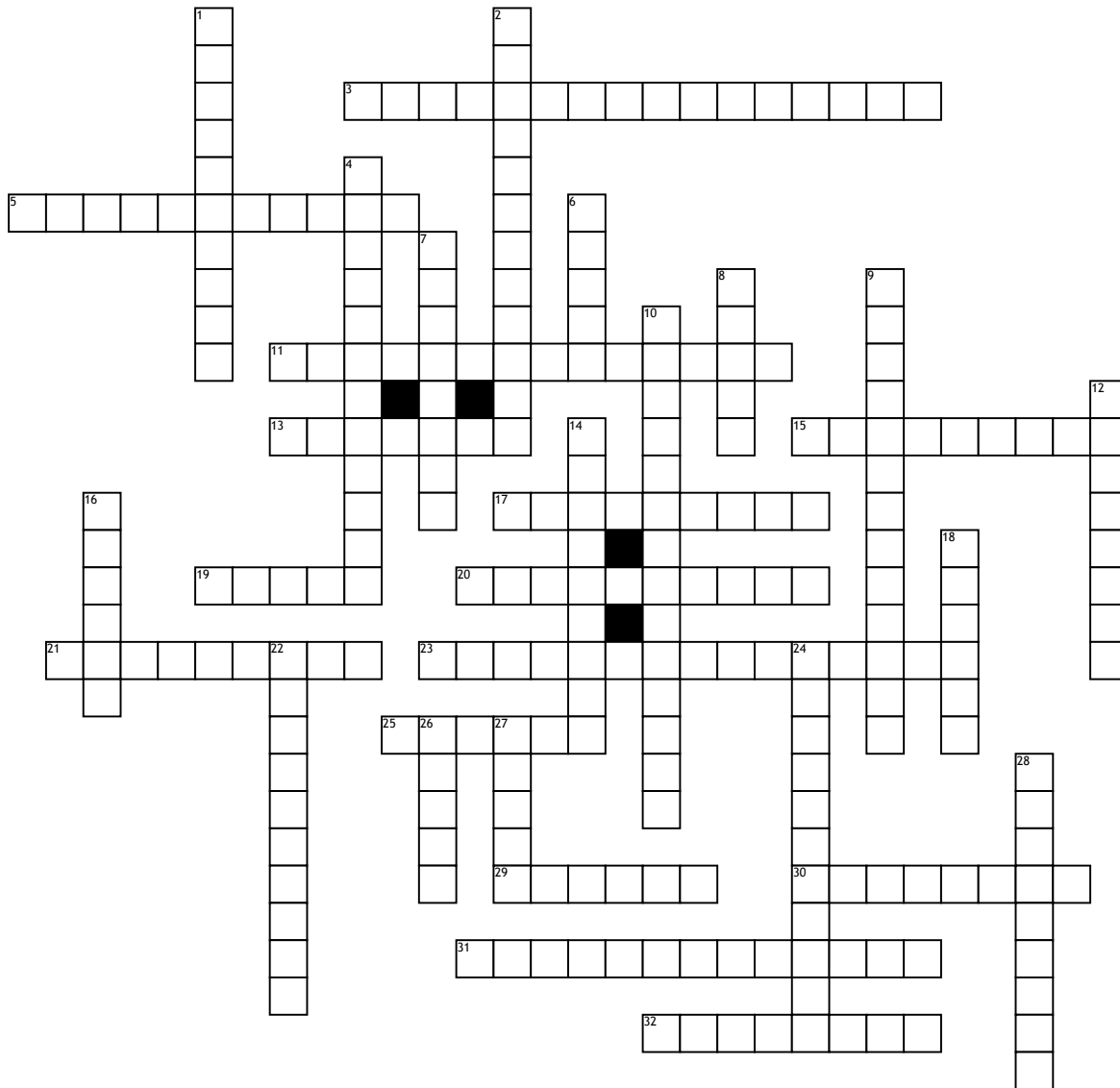


Circulatory System



Across

3. node that signals the ventricles to contract
 5. vessels that gas, nutrients, waste exchange occurs between blood and body tissue
 11. pumps deoxygenated blood to the lungs
 13. smaller vessels that join veins to capillaries
 15. pathway of blood circulation between the heart and lungs
 17. number of heartbeats per unit of time
 19. made up of plasma, rbc, wbc, platelets, transports nutrients, gases, hormones, waste
 20. smaller vessels that join arteries to capillaries
 21. pressure that occurs when ventricles relax
 23. cells that contain no hemoglobin, defend body against infection

25. flaps of tissue that prevent blood from flowing backwards
 29. thick wall of tissue that separates the heart ventricles
 30. tubes that carry blood away from the heart
 31. largest chamber of the heart, moves oxygenated blood to body through aorta
 32. relationship of hemoglobin for O₂

Down

1. iron rich protein found in red blood cells
 2. tubes that blood flows through
 4. has large amounts of CO₂ in blood
 6. muscle with 4 chambers that contract
 7. pressure in the arteries when the ventricle contracts
 8. a rhythmic flow of blood
 9. cell that transport O₂ from the lungs and delivers it to the body cells

10. generates the electrical signal to contract the heart atria (the pacemaker of the heart)
 12. blood circulation between heart and body (except for lungs)
 14. cell fragments produced in bone marrow to help in clotting blood
 16. sticky threads that tangle to make a web to help clot blood
 18. pale-yellow fluid that is made up of 90% water that is 55% of the actual blood cells
 22. chamber of the heart that receives blood from the lungs
 24. movement to and from
 26. main artery that moves blood from the heart
 27. tubes that have valves to prevent backflow of blood to the heart
 28. -subunit of molecule made up of Fe and O₂