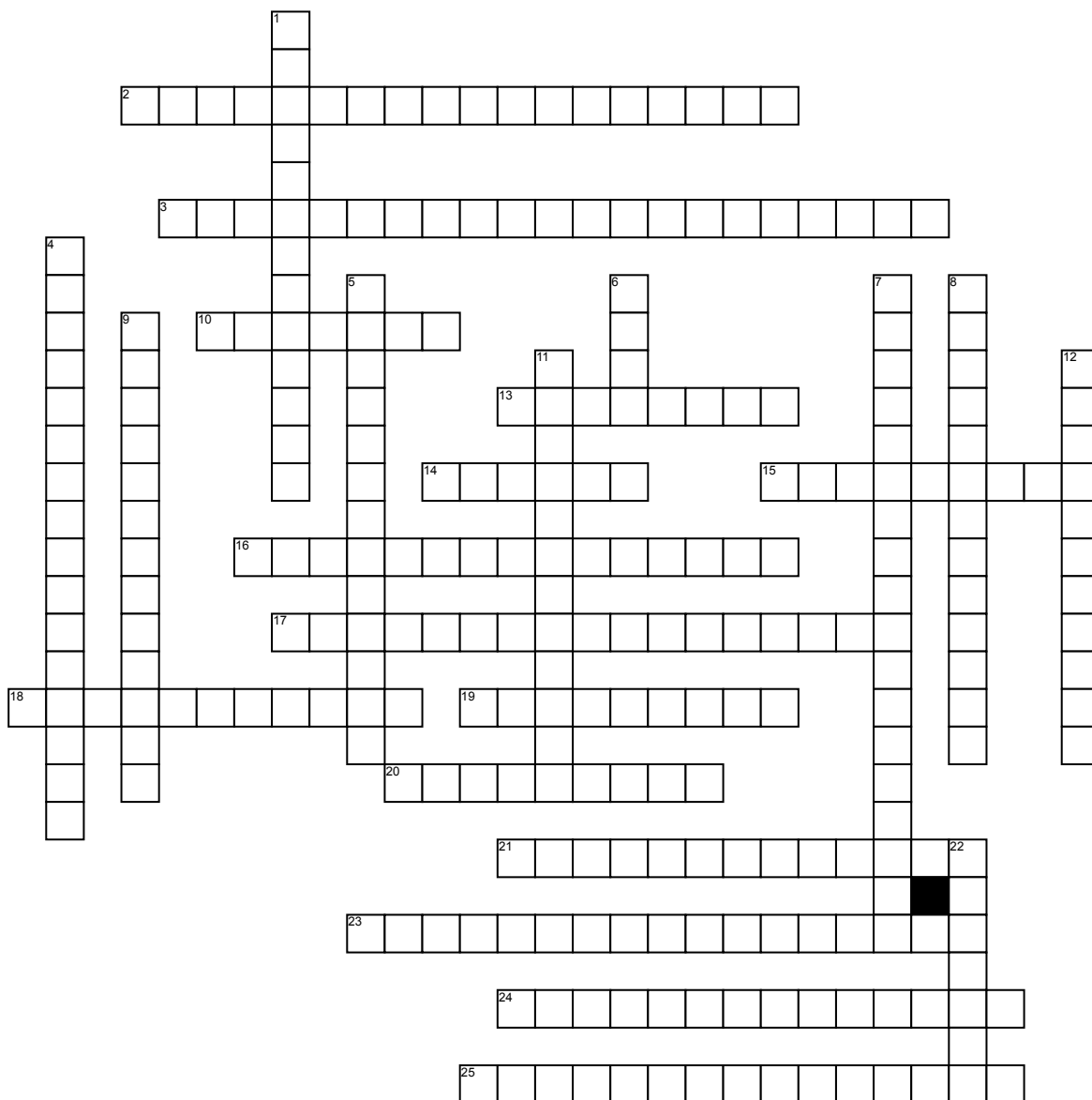


# Magnetism



## Across

2. When 2 magnetic objects pull towards each other  
 3. Elements with especially high attractions to magnets  
 10. A device that uses a magnet to point towards Earth's magnetic poles  
 13. Bearing or creating a magnetic field  
 14. Any object that attracts metallic iron  
 15. The attractive and repulsive forces between magnets  
 16. A magnet that stays magnetic whether attached to a magnetic field or not  
 17. When 2 magnetic objects push away from each other  
 18. A device that changes the voltage of an alternating current

19. Extremely magnetic element used in the creation of most magnets  
 20. A type of rock with high iron content and magnetic properties  
 21. An electric current that flows in one direction  
 23. A device that uses a magnetic field to turn mechanical energy into electric energy  
 24. Area in magnets where the magnetic field of the atoms point in 1 direction  
 25. A magnet which loses it's magnetic field after being removed from one

## Down

1. A device that uses electric current and magnets to produce motion  
 4. Any material that is strongly attracted to a magnet

5. A naturally occurring substance with high iron content  
 6. Element most commonly associated with being attracted to magnets  
 7. An electric current that changes direction in a regular pattern  
 8. A force between the poles of 2 magnets  
 9. A magnet created using conductive coils  
 11. A place on a magnet where the force it applies is strongest  
 12. A material not attracted by a magnetic field  
 22. A shaft with blades that spins when a pressurized fluid strikes the blades