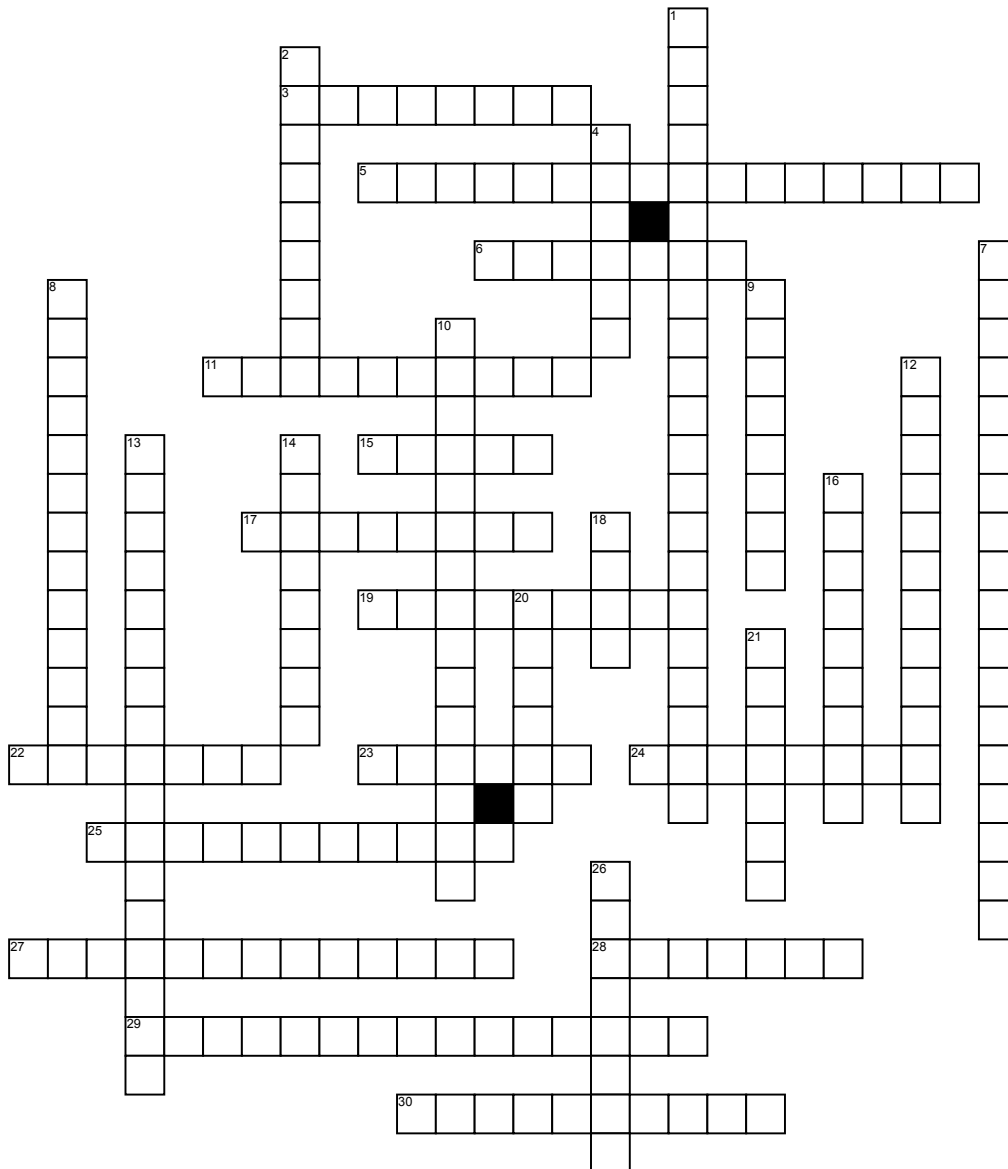


# Physical Science



## Across

3. What element is Cl?  
 5. Discovered the nucleus of an atom  
 6. It is the third subatomic particle  
 11. The total number of protons and neutrons in the nucleus  
 15. It is usually solid at room temperature except mercury  
 17. What is electron electrical charge?  
 19. He explained that the positive protons and neutral neutrons are kept together by a strong binding energy as the electrons are orbiting around them  
 22. What is neutron electrical charge?  
 23. What element is S?  
 24. What is proton electrical charge?  
 25. It include elements having atomic numbers 57  
 27. He discovered neutron

28. Atomic structure housing the protons and neutrons  
 29. He discovered proton  
 30. It is an English scientist who is well known for his work in the development of the atomic theory

## Down

1. It is distribution of electrons of an atom or molecule in atomic or molecular orbitals  
 2. They follow actinium with the atomic number 89 respectively  
 4. Positively charged subatomic particle  
 7. He discovered electron  
 8. a table of the chemical elements arranged in order of atomic number, usually in rows, so that elements with similar atomic structure appear in vertical columns

9. Atoms of the same element that have different masses  
 10. He is a Russian Chemist and discovered the periodic table of elements  
 12. The number of protons in the nucleus of an atom  
 13. He is a German physicist and discovered the periodic table of elements  
 14. Negatively charged subatomic particle  
 16. It has some of the properties of metals and nonmetallic characteristic  
 18. Smallest unit of an element retaining all of the properties of the element  
 20. What element is Na?  
 21. What element is Si?  
 26. it exhibits very different properties from a metal