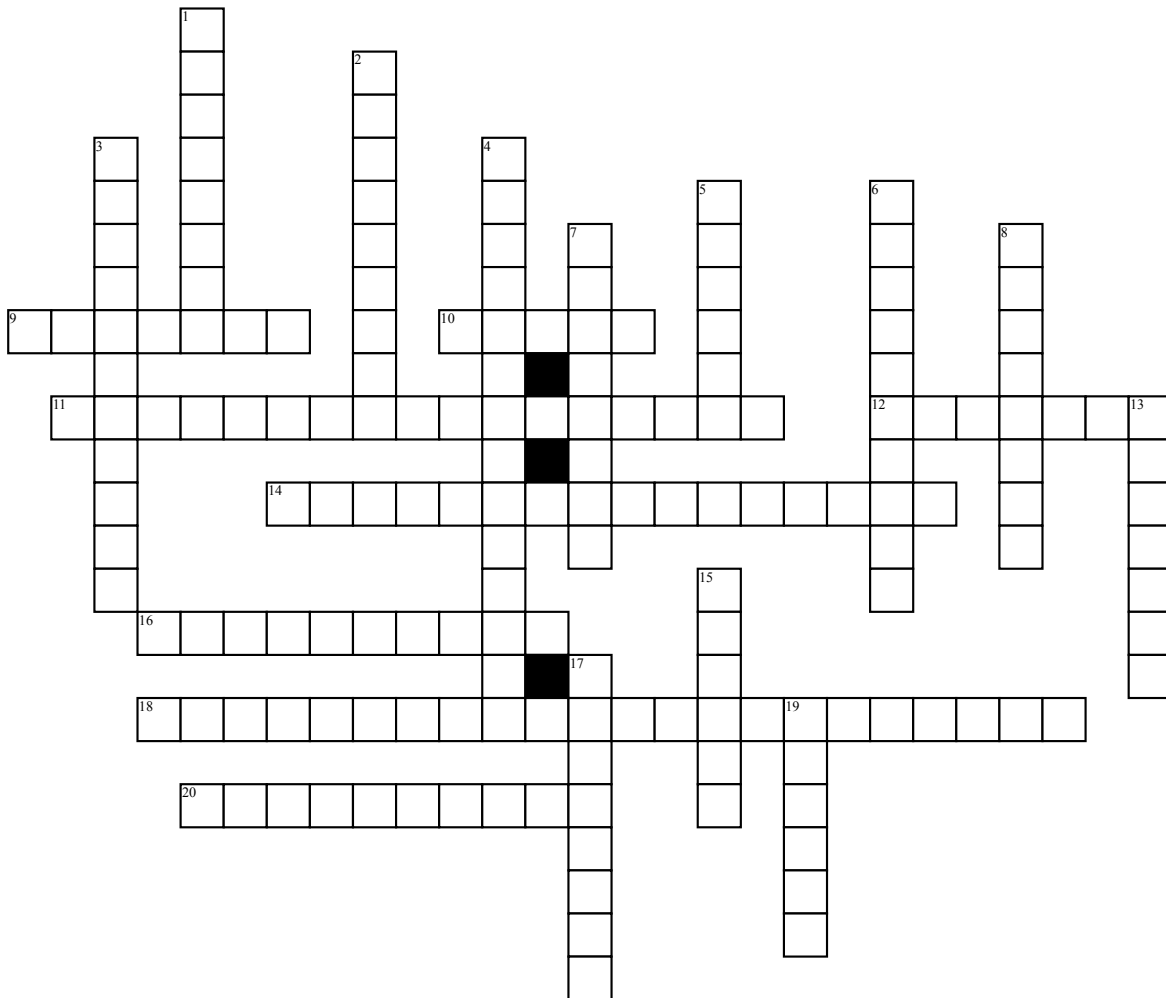


# Atomic Theory



**Across**

- 9. discovered the electron and developed the plum pudding model
- 10. said that an element is any substance that cannot be decomposed into a simpler substance
- 11. the name of Millikan's experiment
- 12. subatomic particle with a neutral charge
- 14. name of Rutherford's atom model
- 16. first proposed the idea of the atom

18. name of Schrodinger's model

20. used Gold foil experiment to discover protons and the nucleus

**Down**

- 1. orbits in patterns are called \_\_\_\_\_
- 2. thought only four elements existed
- 3. suggested that orbits are not always circular but in patterns called orbitals
- 4. tool used to discover the electron

5. subatomic particle that has a positive charge

6. proposed the \_\_\_\_\_ Uncertainty Principle

7. discovered charge and mass of electron

8. subatomic particle that has a negative charge

13. protons and neutrons are contained in the \_\_\_\_\_

15. the element used in Rutherford's experiment

17. discovered the neutron

19. means indivisible in Greek