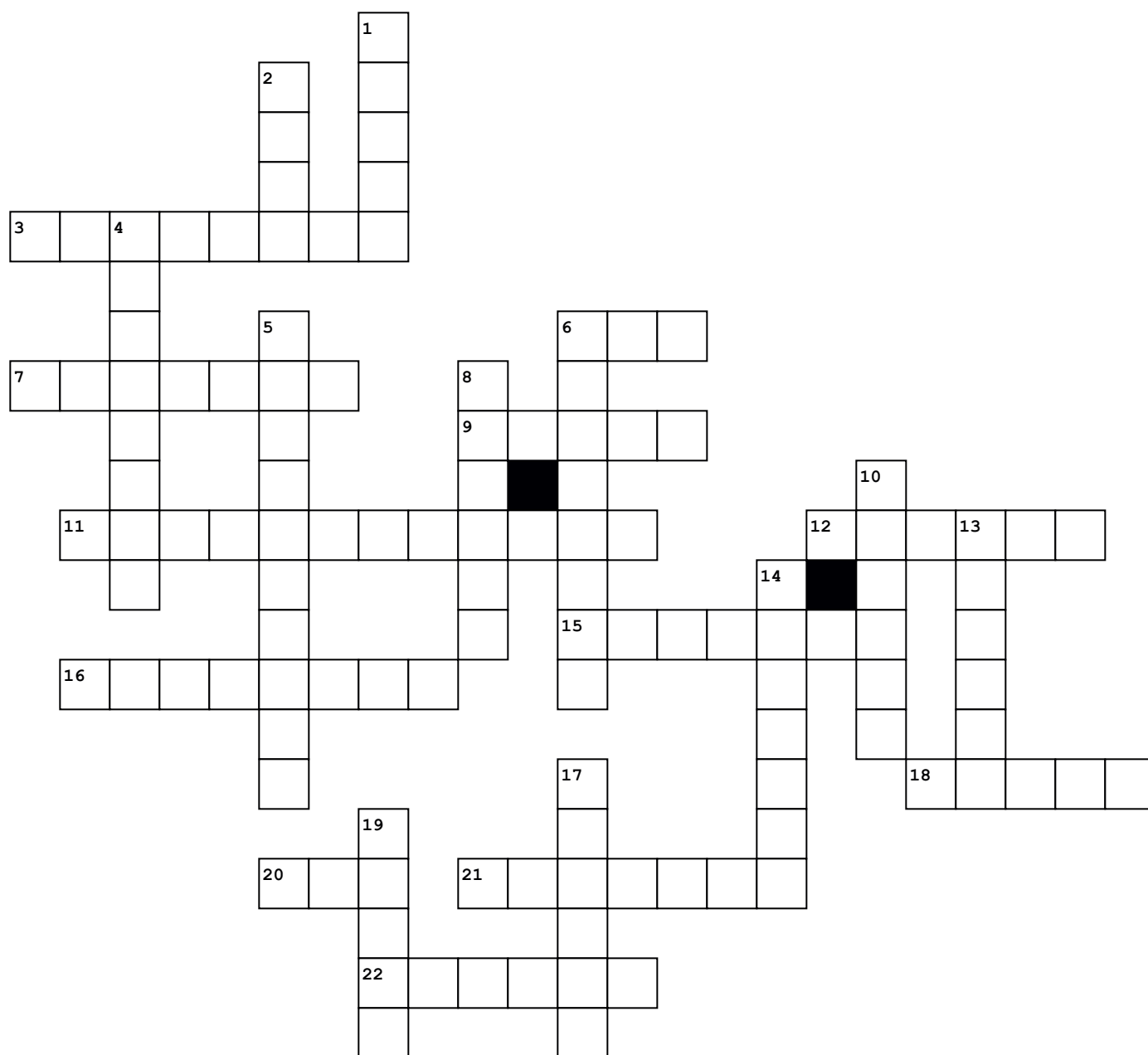


# Atomic Structure Crossword



## Across

3. \_\_\_\_\_ LINE IS A SINGLE WAVELENGTH OF LIGHT GOING THROUGH A PRISM, GIVEN OFF BY AN EXCITED ELEMENT
6. AN ATOM WITH AN ELECTRIC CHARGE
7. THE CENTRAL PART OF THE ATOM THAT CONTAINS NEUTRONS AND PROTONS
9. MOST MATTER ON EARTH IS MADE UP OF THESE PARTICLES
11. THE LAW OF \_\_\_\_\_ THAT STATES THAT MATTER CAN NEITHER BE CREATED NOR

## Down

1. THE REGION WHERE AN ELECTRON WILL MOST LIKELY BE FOUND
2. PROPOSED THAT ELECTRONS TRAVELED IN PATHS CALLED ENERGY LEVELS
4. NEGATIVELY CHARGED PARTICLE
5. DISCOVERED THE NUCLEUS
6. ATOMS OF THE SAME ELEMENT WITH DIFFERENT NUMBERS OF NEUTRONS

DESTROYED

- 12. ATOMS OF DIFFERENT ELEMENTS HAVE DIFFERENT \_\_\_\_\_ AND PROPERTIES
- 15. MADE UP OF THE SAME TYPE OF ATOM
- 16. THE SMALLEST PARTICLE IS A MOLECULE
- 18. THE ELECTRON \_\_\_\_\_ IS THE PRESENT MODEL OF THE ATOM
- 20. ATOMIC MASS UNIT
- 21. DISCOVERED THE ELECTRON
- 22. ATOMS OF DIFFERENT ELEMENTS COMBINE IN WHOLE-NUMBER \_\_\_\_\_

- 8. SCIENTIST WHO WAS THE FIRST PERSON TO USE ATOMIC SYMBOLS
- 10. HAS MASS AND TAKES UP SPACE
- 13. AN ABBREVIATION OF THE ELEMENT'S NAME-USUALLY FROM LATIN
- 14. UNCHARGED PARTICLE IN THE NUCLEUS OF THE ATOM
- 17. POSITIVELY CHARGED PARTICLE IN THE NUCLEUS OF THE ATOM
- 19. MAKES UP ALL SUBATOMIC PARTICLES IN DIFFERENT COMBINATIONS