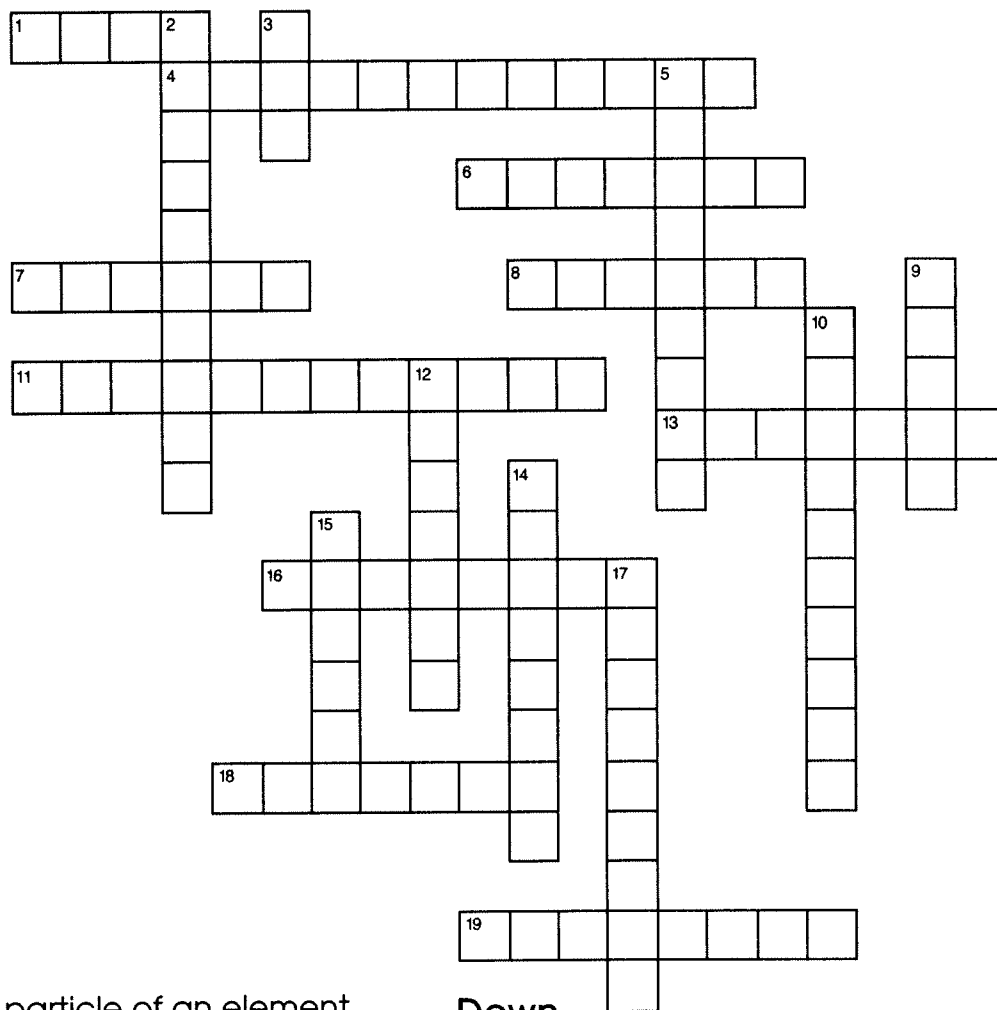


# ATOMIC STRUCTURE CROSSWORD

Name \_\_\_\_\_



## Across

1. The smallest particle of an element that can enter into chemical change
4. The number of protons in the nucleus of an atom
6. Cannot be decomposed into simpler substances by ordinary chemical means
7. State in which all electrons are at their lowest possible energy level
8. The positively charged particle found in the nucleus
11. Standard for the atomic mass unit
13. Most of the mass of an atom is here.
16. Mass number minus atomic number
18. Electrons in the outermost principal energy level
19. Protons and neutrons are these.

## Down

2. Sum of the protons and neutrons in the nucleus of an atom
3. Charged atom or group of atoms
5. Equal to the number of protons in a neutral atom
9. The volume of an atom is determined by the size of its electron \_\_\_\_\_.
10. Different forms of the same element
12. State in which electrons have absorbed energy and "jumped" to a higher energy level
14. Atoms with the same atomic number but different atomic masses
15. The nucleus and all electrons in an atom except the valence electrons
17. s, p, d, f