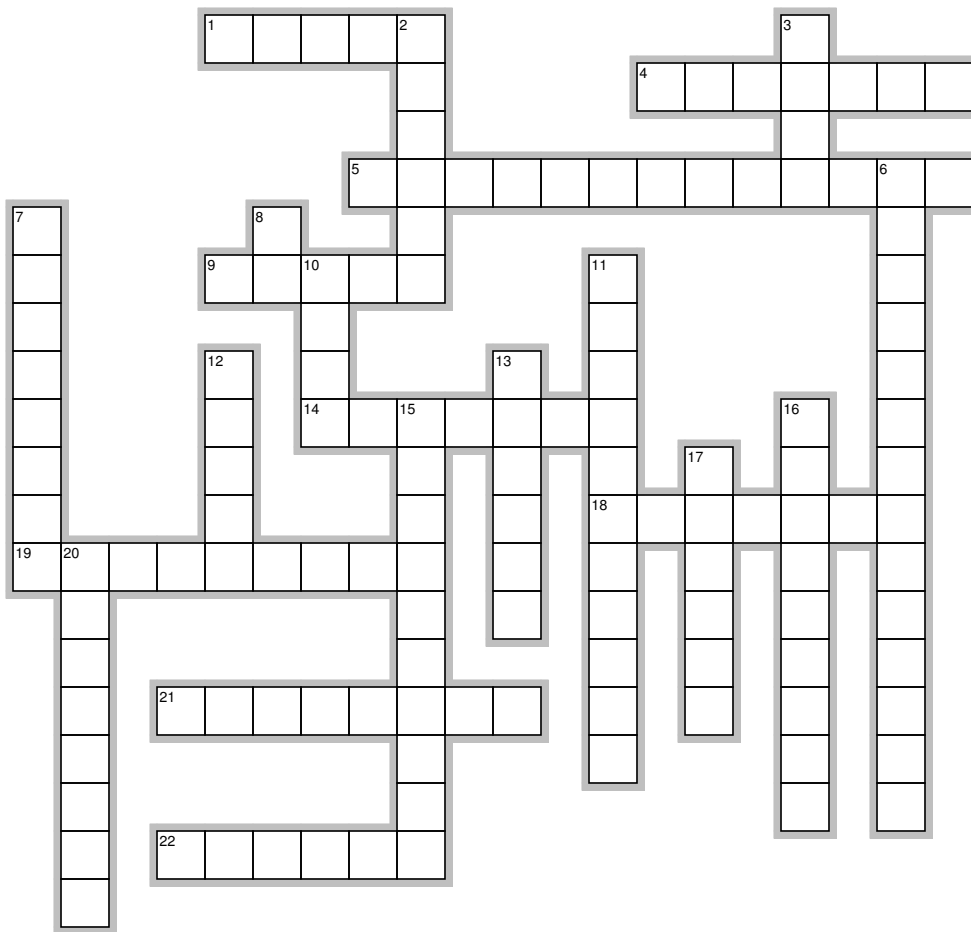


# Atoms and the Periodic Table



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## Across

1. Vertical column on the periodic table (5)
4. An atom with the same number of protons but different numbers of neutrons (7)
5. A number equal to the number of protons in an element (13)
9. Neutral atom with 54 electrons (5)
14. The center core of an atom filled with protons and neutrons (7)
18. Neutral subatomic particle found in the nucleus (7)
19. Silicon is a typical \_\_\_\_\_ (9)
21. Oxygen is an example of a \_\_\_\_\_ . (8)
22. Electrons in the Bohr model are located in these areas (6)

## Down

2. Positive subatomic particle found in the nucleus (6)

3. The smallest peice of matter that keeps the properties of an element (4)
6. Surrounds the nucleus (14)
7. Element with 22 protons and 26 neutrons (8)
8. Symbol for Iron (2)
10. Element with an atomic number of 10 (4)
11. The number of protons plus the number of neutrons in the nucleus (11)
12. Calcium would be considered one of these. (5)
13. Horizontal row on the periodic table (6)
15. Metals are good ones, nonmetals are bad ones (10)
16. Element with 4 protons and 5 neutrons (9)
17. Protons and Neutrons are made of these (6)
20. negative subatomic particle that orbits the nucleus (8)