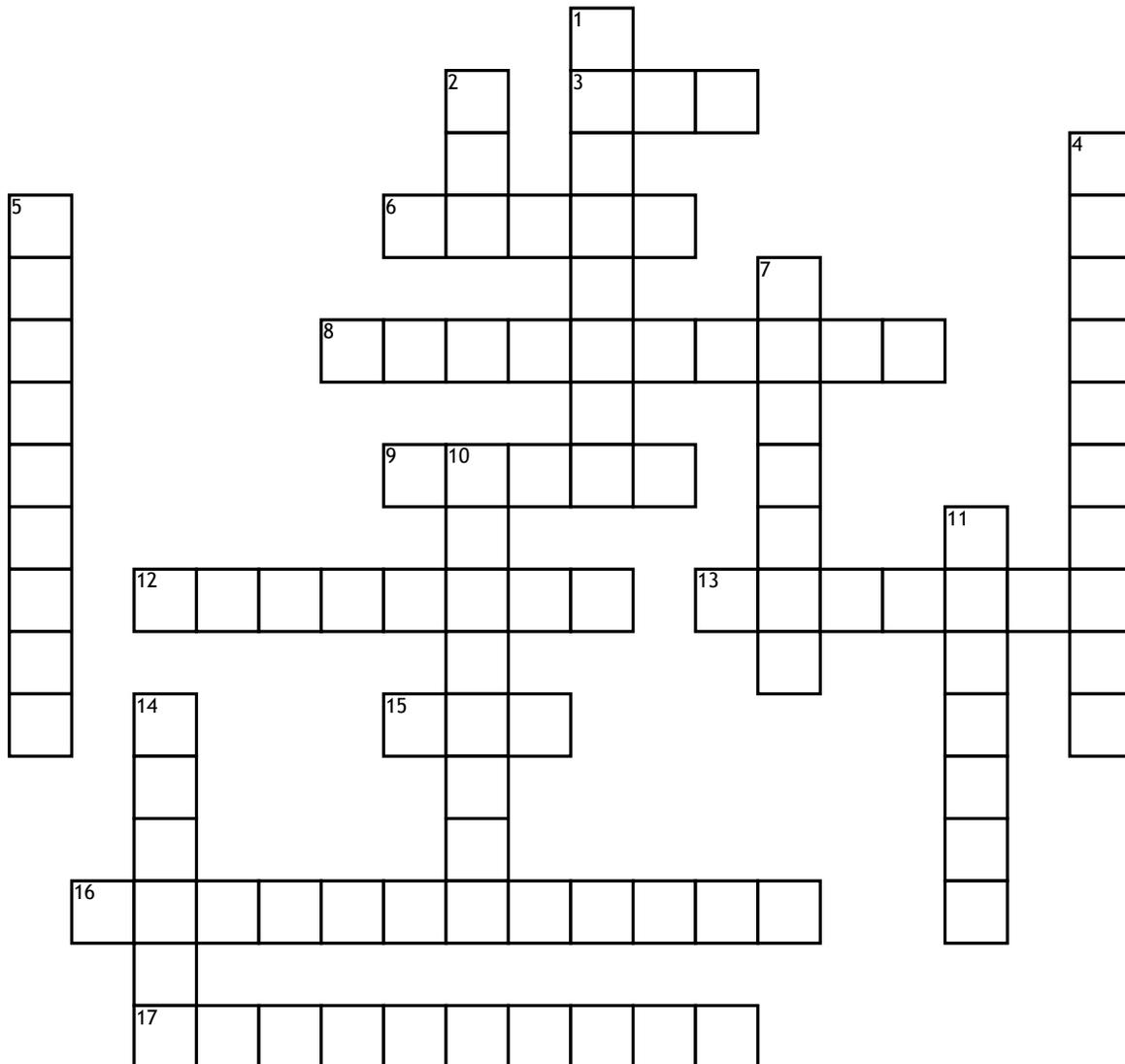


Atomic structure



Across

3. The number of electrons sodium would like to give away
 6. Bond where there is a complete transfer of electrons from one atom to another
 8. Number of protons plus number of neutrons gives the
 9. The number of electrons nitrogen would like to gain
 12. Particle with a negative charge

13. The centre of the atom where the neutrons and protons are
 15. A charged atom is called an
 16. Number of protons and electrons in an atom
 17. If an electron is added to a neutral atom, the atom becomes _____ charged

Down

1. If an ion has more protons than electrons it will have a _____ charge

2. The amount of electrons that the first orbital can hold
 4. The group of elements that will never lose or gain an electron
 5. Found on orbitals around the nucleus
 7. I have 20 electrons and 20 protons
 10. An element with 1 proton
 11. A particle with no charge
 14. The particle with a positive charge