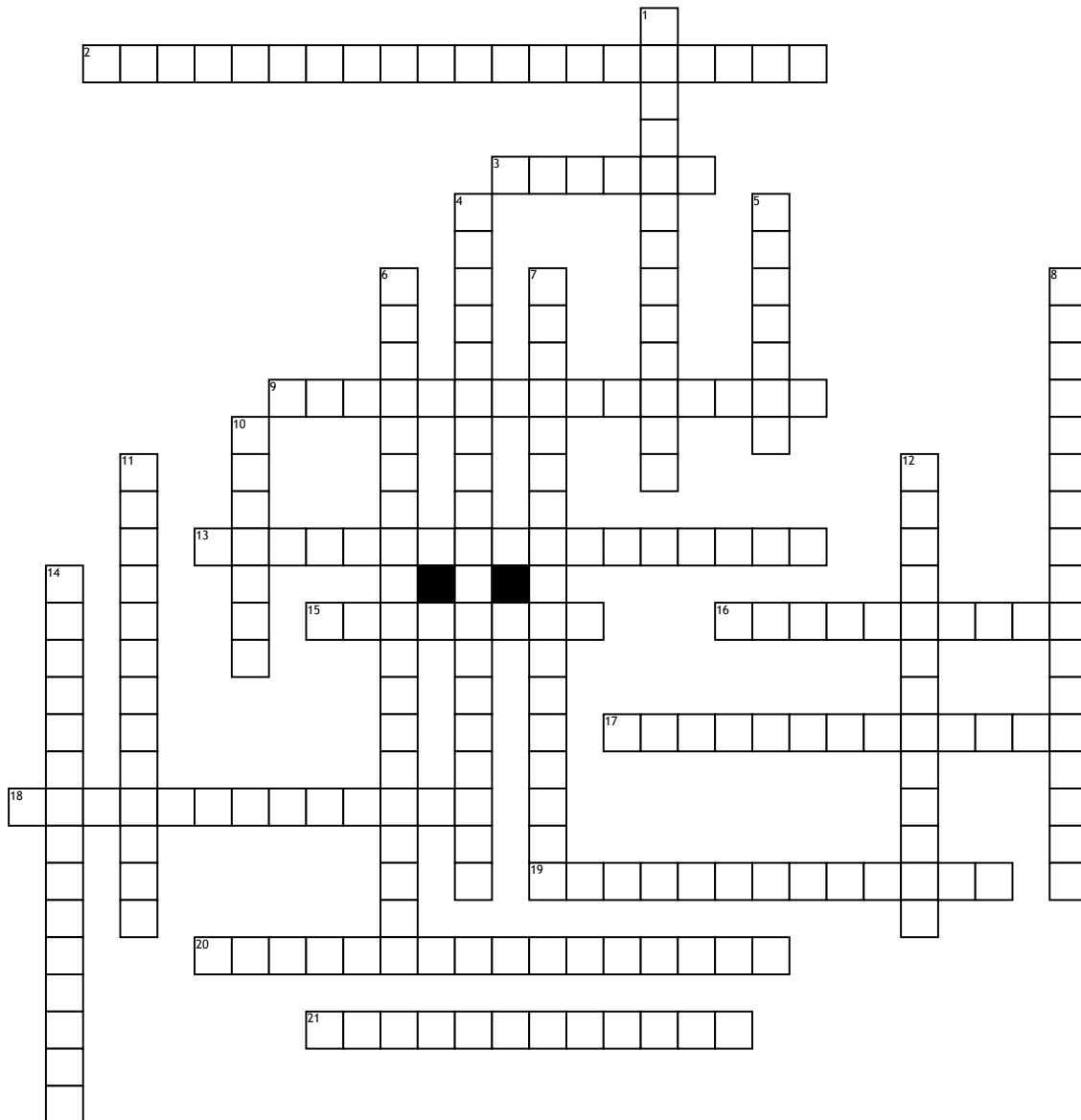


Name: _____ Date: _____ Period: _____

Electricity and Magnetism Vocabulary



Across

2. the law that states that like charges repel and opposite forces attract
 3. any material that attracts iron or materials containing iron
 9. the rate at which charges pass through a given point; measured in amperes
 13. electric charge at rest; generally produced by friction or induction
 15. a coil of wire with an electric current in it
 16. in physical science, the opposition presented to the current by a material or device
 17. a device that converts electrical energy into mechanical energy

18. a circuit in which the points are joined one after another such that the current in each part is the same
 19. the space around a charged object in which another charged object experiences an electric force
 20. the interaction between electricity and magnetism
 21. one of two points, such as the ends of a magnet, that have opposing magnetic qualities

Down

1. a force of attraction or repulsion generated by moving or spinning electric charges
 4. a material in which charges cannot move freely
 5. could be an iron or steel bar, or in a permanent magnet

6. a material in which charges can move freely
 7. the release of electricity stored in a source
 8. a device that converts mechanical energy to electrical energy
 10. the potential difference between two points; measured in volts
 11. a vector field that associates to each point in space the Coulomb force experienced by a unit electric charge
 12. a coil that has a soft iron core and that acts as a magnet when an electric current is in the coil
 14. a circuit in which the parts are joined in branches such that the potential difference across each part is the same