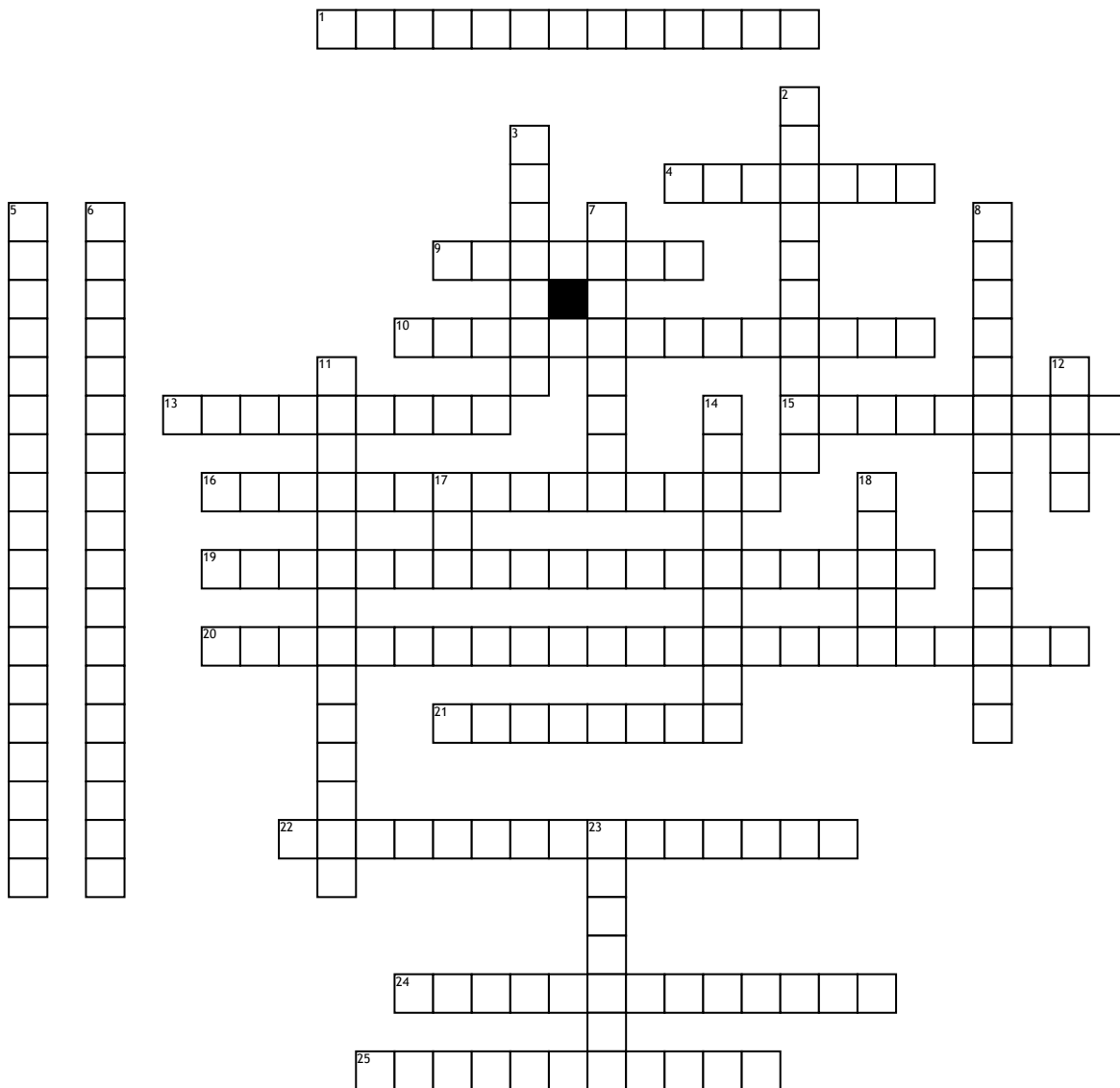


Name: _____ Date: _____ Period: _____

Physics 19-20



Across

1. The force field that exist around an electrically charged object
4. Relates the applied potential difference between its end
9. A device that converts chemical energy to electrical energy
10. One of two types of electrical charge; the charge produced in Amber when it is rubbed on a glass rod
13. A material that is poor at conducting thermal energy and electrical charge
15. A device used to store energy from electrical systems
16. When electric charge flows from one place to another
19. The charging of an object without direct contact

20. Mechanical work that is stored as electrical energy
21. A device used to measure resistance
22. The closed path that a charge flows through and returns to its starting point
24. A material with properties intermediate between those of a good conductor and a good insulator
25. Relates the strength of the electrostatic force between point charges to the magnitude of the charges and the distance between them

Down

2. When collisions between electrons and atoms in a wire occur
3. Having zero total charge
5. The difference in electric potential between the terminals of a battery

6. The fact that electric charge comes in amounts that are always integer multiples of e
7. An electrical device that resists the flow of electrical current
8. One of two types of electrical charge; the charge produced in a glass rod when it is rubbed with Amber
11. A system consisting of a positive charge and a negative charge
12. The unit of electrical potential
14. A material that is good at conducting thermal energy and electric charge
17. An atom that has gained or lost one or more electrons
18. A device that permits current to flow through it in only one direction.
23. A unit of electric charge