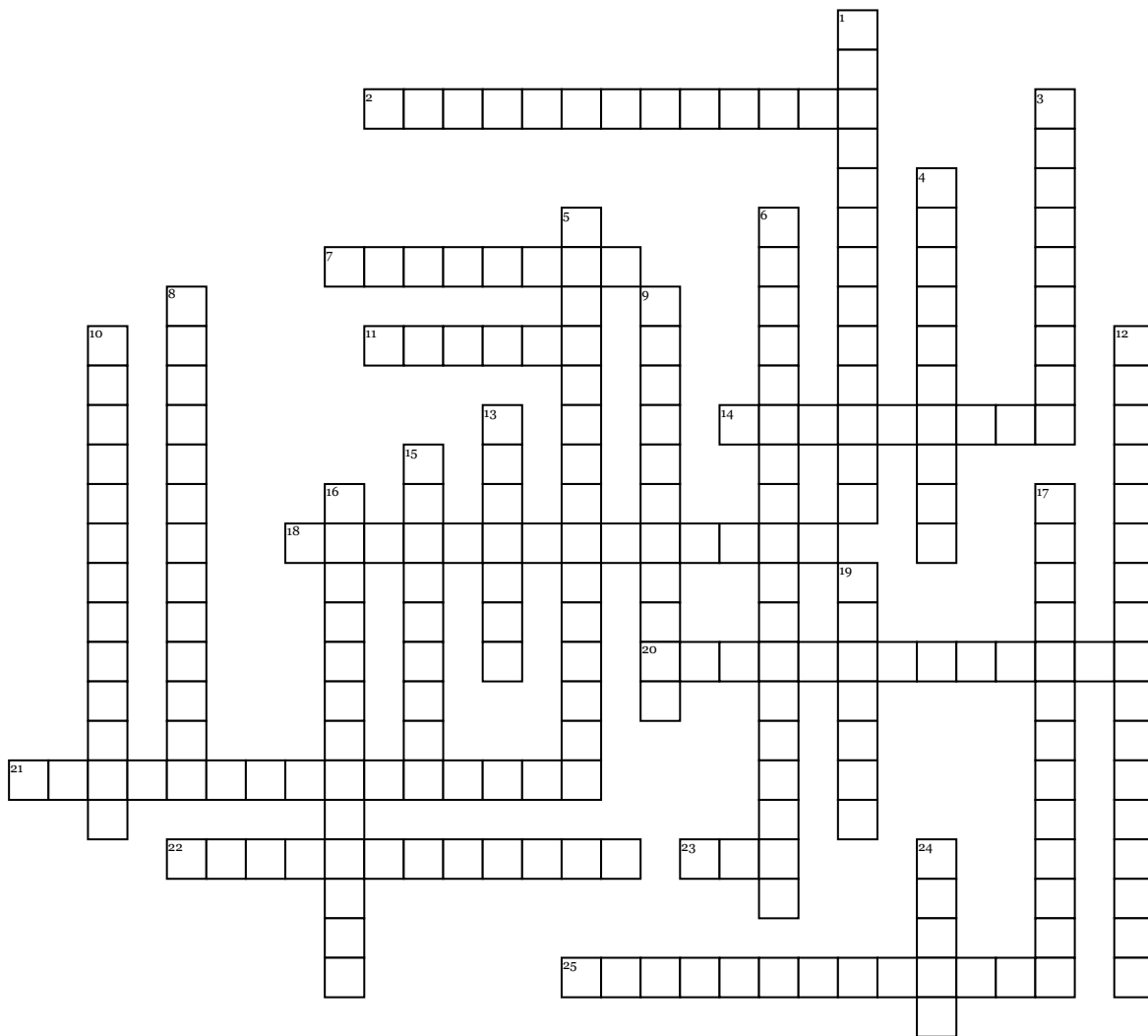


Name: _____

Date: _____

next one



Across

- 2.** Rate at which electrical energy is converted into other forms of energy
7. states that the current in circuit equals the voltage divided by the resistance in the circuit
11. light display that occurs when charged particles trapped in the magnetosphere collide with earth's atmosphere above the poles.
14. An material in which electrons cannot move easily
18. group of atoms whose fields point in the same direction
20. surrounds every electric charge and exerts forces on other electric charges
21. the flow of electric charge; measured in amperes
22. imbalance of electric charge on an object

- 23.** positively or negatively charged atom
25. attractive or repulsive force exerted by all charged objects on each other

Down

- 1.** circuit that has only one path for electric current to flow
3. device that uses a magnetic field to turn kinetic energy into electric energy
4. a measure of how difficult it is for the electrons to flow through the materials
5. Circuit that has more than one path for electric current to follow
6. electric current that changes in direction repeatedly
8. electric current that flows only in one direction
9. device that used to increase and decrease the voltage
10. a magnet created by wrapping current carrying wire around an iron core

- 12.** rapid movement of excess charge from one place to another
13. a measure of the amount of the electrical potential energy an electric flowing in a circuit can gain
15. material in which electrons can flow easily
16. surrounds a magnet and exerts a magnetic force on other magnets
17. region of space affected by earth's magnetic field
19. closed conducting loop in which electric energy can flow easily
24. device that transforms electrical energy into kinetic energy