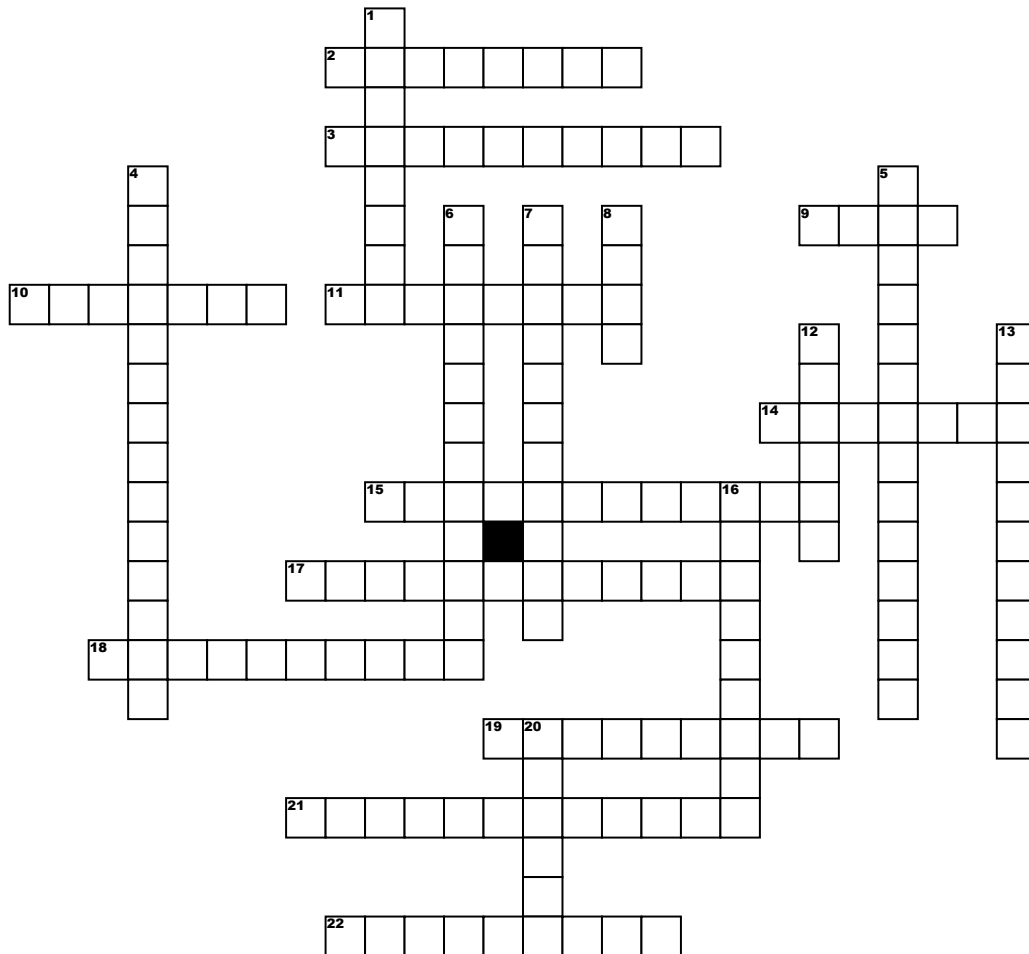


ELECTRIC TERMS



Across

- 2. A measure of intensity of electrical production of use
- 3. Indicates that a small portion of a circuit is out.
- 9. The interconnected network of transmission lines and control equipment that carries electricity from generation source to the distribution system
- 10. Consists of primary lines leaving a substation in a circular line.
- 11. One thousand kilowatts; one million watts
- 14. The pressure that makes electricity flow.
- 15. System of wires, switches and transformers that service neighborhoods and businesses
- 17. A secondary wire, runs from the pole/transformer to the home or business.
- 18. A facility containing switches, transformers and other equipment

- 19. A material such as copper or aluminum wire which allows electricity to easily move through it.
- 21. A measure a volume of electrical production or use equal to 1,000 watts of power-over a period of 1 hour
- 22. For alternating current. The number of times that a current flow is reversed per second.

Down

- 1. A safety device designed to interrupt an electrical circuit during abnormal conditions.
- 4. Occurs when the entire circuit has lost power due to a fault or electrical problem on the primary line.
- 5. A switch (usually located in a substation) that automatically disconnects power to a circuit in the event a fault or electrical short.
- 6. A large-scale movement of bulk power, typically using for 69,000 to 345,000 volts.

- 7. A device used to increase or decrease voltage.
- 8. The electrical unit of power or rate of doing work.
- 12. Electrical equipment is often "grounded" to provide a path with less resistance that the human body. Prevents electrical shock
- 13. The flow of electrons
- 16. Material that electricity has difficulty moving through
- 20. A break in the operation of electrical power.

Word Bank

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|--------------------|------------------------|----------------------|------------------------|---------------------|
| Watt | Service Drops | CIRCUIT | Insulator | Substation |
| Megawatt | Circuit Breaker | Kilowatt Hour | Circuit Lockout | Transmission |
| Voltage | Grid | Conductor | Distribution | Section Out |
| Electricity | Kilowatt | Outage | Line Fuse | Ground |
| Frequency | Transformer | | | |