Electricity

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|  |  |  |  |  |  |  |  |  |  |  |  |  | 1  C |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  | H |  | 2  S |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  | A |  | H |  |  |  |  | 3  V |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  | 4  C | O | N | D | U | C | T | O | R |  | O |  | 5  S |  |  | O |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  | G |  | R |  | W |  |  | L |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  | 6  E | L | E | C | T | R | I | C | I | T | Y |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  | 7  S |  |  |  |  |  |  | C |  | T |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  | T |  |  |  |  | 8  S |  | I |  | C |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  | 9  G | E | N | E | R | A | T | O | R |  | P |  | R |  | H |  |  | 10  F |  |  |  |  | 11  P |  |  |  |  |
|  |  |  |  |  |  |  |  | T |  |  |  |  | A |  | C |  |  |  |  | R |  |  |  |  | R |  |  |  |  |
|  | 12  T |  |  |  |  |  |  | I |  |  | 13  C | I | R | C | U | I | T |  |  | A |  |  |  |  | O |  |  |  |  |
|  | R |  |  |  |  |  |  | C |  |  |  |  | K |  | I |  |  |  |  | N |  |  |  |  | T |  |  |  |  |
|  | A |  |  |  |  | 14  N |  |  |  | 15  A |  |  |  |  | T |  | 16  B |  |  | K |  |  |  |  | O |  |  |  |  |
|  | N |  |  | 17  C |  | E |  | 18  O | H | M | S |  | 19  W |  |  |  | 20  A | C |  | 21  L | I | 22  G | H | T | N | I | N | G |  |
|  | S |  |  | O |  | U |  |  |  | P |  |  | I |  | 23  D |  | T |  |  | I |  | A |  |  |  |  |  |  |  |
|  | F |  |  | P |  | T |  | 24  E | L | E | C | T | R | O | C | U | T | I | O | N |  | 25  L | O | A | D |  | 26  E |  |  |
|  | O |  |  | P |  | R |  |  |  | R |  |  | E |  |  |  | E |  |  |  |  | V |  |  |  |  | L |  |  |
|  | R |  | 27  N | E | G | A | T | 28  I | V | E |  |  |  |  | 29  S | E | R | I | E | S |  | 30  A | M | M | E | T | E | R |  |
|  | M |  |  | R |  | L |  | N |  | S |  |  |  |  |  |  | Y |  |  |  |  | N |  |  |  |  | C |  |  |
|  | E |  |  |  |  |  |  | S |  |  |  |  | 31  F |  |  |  |  |  |  |  |  | I |  |  |  |  | T |  |  |
|  | R |  |  |  |  |  |  | U |  | 32  G | R | O | U | N | D | E | D |  |  |  |  |  |  |  |  |  | R |  |  |
|  |  |  |  |  |  |  |  | L |  |  |  |  | S |  |  |  |  |  |  |  |  |  |  |  |  |  | O |  |  |
|  |  | 33  T | E | R | M | I | N | A | L |  |  | 34  R | E | S | I | S | 35  T | O | R |  |  |  |  |  |  |  | N |  |  |
|  |  |  |  |  |  |  |  | T |  |  |  |  |  |  |  |  | R |  |  |  |  |  |  |  |  |  | S |  |  |
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|  |  |  |  |  |  | 36  C | U | R | R | E | N | T |  |  |  |  | 37  P | A | R | A | L | L | E | L |  |  |  |  |  |
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| **Across**  **4.** A material which permits a flow of energy  **6.** A type of energy that uses charged particles  **9.** A device that converts mechanical energy to electrical energy  **13.** The path of which electrical energy flows through  **18.** The unit used to measure the electrical resistance  **20.** Alternating Current  **21.** A flash of light in the sky caused by electrical discharge between clouds and the Earth's surface  **24.** To injure or kill someone by electric shock  **25.** One of 3 components needed for an electrical circuit  **27.** Lacking positive qualities  **29.** A closed circuit where the current follows one path  **30.** Used to measure the current in a circuit  **32.** A connection from a circuit to the earth (safety measure)  **33.** A point of connection on an electrical device (eg. Battery)  **34.** A device that reduces the flow of an electric current  **36.** The flow of electrons  **37.** A closed circuit where the current divides into two or more paths  **38.** A thin thread made of tungsten that glows when electric current flows through it | **Down**  **1.** To provide an amount of electricity to something  **2.** A defect in a circuit that causes the current to flow in the wrong direction  **3.** The unit used to measure electrical potential difference  **5.** A device that can start to stop flow of electricity in a circuit  **7.** Electricity that is not moving  **8.** A flash produced by electrical discharge  **10.** He proved that lightning was a from of electricity (Benjamin....)  **11.** A positively charged subatomic particle  **12.** A device used to transfer electrical energy from one circuit to another  **14.** Neither positive nor negative  **15.** The unit used to measure electric current  **16.** A cell that is a source of power  **17.** A metal that is a good conductor of electricity  **19.** A thin, flexible thread of metal  **22.** He discovered animal electricity (Luigi....)  **23.** Direct Current  **26.** A negatively charged subatomic particle  **28.** A material that prevents energy from easily passing through it  **31.** A safety device that cuts off an electric circuit if the current exceeds a safe level  **35.** A wire that activates a trap or light when disturbed |