|  |  |
| --- | --- |
| Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

CURRENT ELECTRICITY

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 1 | 2 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 3 |  |  |  |  |
|  |  |  |  |  |  | 4 |  |  |  |  | 5 |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  | 6 |  |  |  |  |  |  |  |  | 7 |
|  |  |  |  |  |  |  |  |  | 8 |  |  |  |  |  |  |  |  |  |  |
|  |  | 9 |  | 10 |  |  |  |  |  |  |  |  |  |  |  |  | 11 |  |  |
|  | 12 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 13 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  | 14 |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  | 15 |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  | 16 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 17 |  |  |  |  |
|  |  |  |  |  |  | 18 |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  | 19 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  | 20 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

|  |  |
| --- | --- |
| **Across****1.** Electrons move back and forth, changing direction. More efficient method of distributing electrical energy.**5.** Electrons can flow more thatn one direction in a circuit.**8.** Measured in Watts (W)**12.** Another term for voltage.**15.** A renewable source of energy.**16.** Multiple cells connected.**18.** Energy divided by charge.**19.** Inefficient type of light bulb.**20.** How much useful energy an electrical device produces compared to amount that was supplied to the device. | **Down****2.** A voltmeter is connected across a source or a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.**3.** What is moving in a circuit?**4.** Used to measure electric current.**6.** Transforms electrical energy into other types of energy**7.** A circuit has 3 lamps connected in series. The total voltage of the circuit is nine volts. What is the voltage of lamp one?**9.** What part of a circuit is a battery?**10.** Loads connected in a row.**11.** As you increase the number of loads in parallel, the current drawn from the source \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**13.** A voltmeter is connected in \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.**14.** As you increase the temperature of a wire, the resistance \_\_\_\_\_\_\_\_\_\_\_\_.**17.** controls current flow |

   switch       Load       source       Battery       Alternating current       power       efficiency       incandescent       series       parallel       ammeter       parallel       load       Potential difference       Voltage       increases       increases       three volts       wind       electrons