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Ch 4 Electric Circuits

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| **Across**  **1.** To calculate parallel resistance  **2.** Only one path for current  **6.** Relationship between current, voltage, and resistance  **10.** more than one path  **12.** Resistance in series circuit  **13.** Metal with low resistance  **16.** One factor that determines resistance  **18.** Lets electrons flow easily  **19.** Electric Potential difference  **20.** electricity does not flow | **Down**  **3.** material only lets some electrons flow  **4.** units for resistance  **5.** Current produced by 3 volts and 0.5 ohms  **7.** battery with 2 amps and 6 ohms resistance  **8.** Current in series circuit  **9.** Metal iwth high resistance  **11.** Uses 60 watts of power  **14.** Units for current  **15.** units for push of battery  **17.** Protects electrical devices from too much current |