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| Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Date: \_\_\_\_\_\_\_\_\_ | Period: \_\_\_\_\_\_\_ |

Electric Charge and Current

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| **Across**  **3.** A \_\_\_\_\_\_\_ is an electrical circuit through which current can flow uninterrupted path.  **6.** carries a negative charge  **7.** Carries a positive charge  **13.** a material that allows electrons to move easily through it  **14.** Is a circuit that has only one path for the electric current to follow  **16.** unlike charges do what  **18.** an object that has more electrons than protons  **20.** A discontinuous (broken) circuit through which no current can flow is called a | **Down**  **1.** Is circuit that has more than one path for the electric current to follow  **2.** The flow of electric charge in an amount of time  **4.** charging an object by contact with a charged object: charging by \_\_\_\_\_\_\_\_\_  **5.** an object with fewer electrons than protons  **8.** A study of electric charges at rest.  **9.** The law that states that charges are neither created nor destroyed but only transferred from one material to another.  **10.** like charges do what  **11.** charging an object by bringing a charged object close to, but not touching. charging by \_\_\_\_\_\_  **12.** a material that does not easily allow electrons to move through it  **15.** location protons and neutrons can be found  **17.** carries no charge  **19.** object with an equal number of electrons and protons |

   neutral       negatively charged       positively charged       Conduction       conductor       insulator       induction       Electrostatics       proton       electron       neutron       parallelcircuit       series circuit       nucleus       attract       repel       open circuit       closed circuit       Conservation       current