

Match the following terms with the phrase that best describes it.

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|-------------------------------|---|
| _____ 1. Electric Charge      | A. Causes a force between objects                               |
| _____ 2. Conductor            | B. A material that allows current to flow                       |
| _____ 3. Insulator            | C. Does not allow current to flow                               |
| _____ 4. Electric Force       | D. The attraction or repulsion due to charge.                   |
| _____ 5. Electric Field       | E. The region around a charge where the force is felt.          |
| _____ 6. Induction            | F. Rearranging charges without contact                          |
| _____ 7. Conduction           | G. Moving charges by contact                                    |
| _____ 8. Cell                 | H. A device that converts chemical energy to electrical energy. |
| _____ 9. Resistance           | I. The force opposing the flow of current                       |
| _____ 10. Current             | J. The rate of flow of charges                                  |
| _____ 11. Direct Current      | K. Current that flows in one direction.                         |
| _____ 12. Alternating Current | L. Current that changes direction regularly                     |
| _____ 13. Circuit             | M. A complete path for electrons                                |
| _____ 14. Series Circuit      | N. Only a single conducting path                                |
| _____ 15. Fuse                | O. Melts to protect a circuit                                   |
| _____ 16. Circuit Breaker     | P. Opens a switch to protect a circuit                          |
| _____ 17. Parallel Circuit    | Q. Multiple conducting paths for current                        |
| _____ 18. Ohm's Law           | R. Voltage is current times resistance                          |
| _____ 19. Positive            | S. More protons than electrons                                  |
| _____ 20. Negative            | T. More electrons than protons                                  |
| _____ 21. Attract             | U. How like charges affect each other                           |
| _____ 22. Repel               | V. How unlike charges affect each other                         |

Match the units below with what they measure

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|-------------------------|-------------------------|
| _____ 23. Watt          | a. Power                |
| _____ 24. Ohm           | b. Resistance           |
| _____ 25. Ampere        | c. Current              |
| _____ 26. Coulomb       | d. Charge               |
| _____ 27. Kilowatt-hour | e. Energy               |
| _____ 28. Voltage       | f. Potential Difference |

Answer questions 1-9 on page 453

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|----------|----------|----------|
| 1. _____ | 4. _____ | 7. _____ |
| 2. _____ | 5. _____ | 8. _____ |
| 3. _____ | 6. _____ | 9. _____ |