

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. _____ |