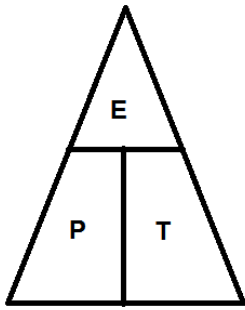
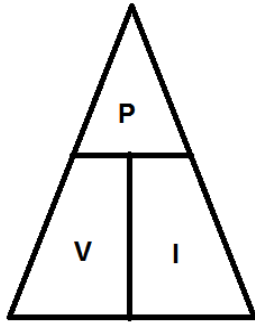


Electricity Quiz (Both Days)

Multiple Choice

Identify the choice that best completes the statement or answers the question.

- _____ 1. When a glass rod is rubbed with silk and the rod becomes positively charged,
a. electrons are removed from the rod. b. electrons are removed from the silk.
- _____ 2. When there is an equal amount of positive and negative charges on an object, the object is
a. positively charged. c. neutral.
b. negatively charged. d. supercharged.
- _____ 3. The region surrounding a charged object in which the electric charge is felt is called
a. an ion field.. c. a magnetic field.
b. a positron field. d. an electric field.
- _____ 4. Potential difference is measured in
a. amperes. c. coulombs.
b. volts. d. joules.
- _____ 5. Batteries typically have
a. two positive terminals. c. one positive and one negative terminal.
b. two negative terminals. d. no terminals.
- _____ 6. Current is the rate at which charges move through a(n)
a. conductor. c. voltage.
b. insulator. d. joule.
- _____ 7. In which direction does voltage flow in a circuit with a dry cell battery?
a. from the positive terminal to the negative terminal.
b. from the negative terminal to the positive terminal.
- _____ 8. The SI unit of resistance is the
a. volt. c. ohm.
b. ampere. d. joule.
- _____ 9. Which of the following does *not* affect a material's resistance?
a. length c. the type of material
b. temperature d. the pressure of the material
- _____ 10. A flashlight bulb with a potential difference of 4.5 V across its filament has a power output of 8.0 W. How much current is in the bulb filament?
a. 3.7 A c. 0.23 A
b. 1.8 A d. 0.56 A
- _____ 11. What is the potential difference across a resistor that dissipates 5.00 W of power and has a current of 5.0 A?
a. 1.0 V c. 4.00 V
b. 125 V d. 0.20 V
- _____ 12. There is a potential difference of 12 V across a resistor with 0.25 A of current in it. The resistance of the resistor is
a. 48 Ω c. 12 Ω
b. 24 Ω d. 0.021 Ω
- _____ 13. An insulator can be charged but will not allow electrons to flow through it.
a. true b. false
- _____ 14. Appliances connected so that they form a single pathway for charges to flow are connected in a(n)
a. series circuit. c. open circuit.
b. parallel circuit. d. closed circuit.



Electricity Quiz (Both Days)
Answer Section

MULTIPLE CHOICE

- | | |
|------------|--------|
| 1. ANS: A | PTS: 1 |
| 2. ANS: C | PTS: 1 |
| 3. ANS: D | PTS: 1 |
| 4. ANS: B | PTS: 1 |
| 5. ANS: C | PTS: 1 |
| 6. ANS: A | PTS: 1 |
| 7. ANS: B | PTS: 1 |
| 8. ANS: C | PTS: 1 |
| 9. ANS: D | PTS: 1 |
| 10. ANS: B | PTS: 1 |
| 11. ANS: A | PTS: 1 |
| 12. ANS: A | PTS: 1 |
| 13. ANS: A | PTS: 1 |
| 14. ANS: A | PTS: 1 |
| 15. ANS: C | PTS: 1 |
| 16. ANS: D | PTS: 1 |
| 17. ANS: C | PTS: 1 |

MATCHING

- | | |
|------------|--------|
| 18. ANS: C | PTS: 1 |
| 19. ANS: F | PTS: 1 |
| 20. ANS: D | PTS: 1 |
| 21. ANS: A | PTS: 1 |
| 22. ANS: G | PTS: 1 |
| 23. ANS: E | PTS: 1 |
| 24. ANS: B | PTS: 1 |

OTHER

25. ANS:
Formulas for Quiz
- PTS: 1