

I. Fill in the Blank: Write the correct answer in the blank

attract	electromagnetic	generator	magnet	repel
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- generator 1. uses a magnet to convert motion into electrical energy
- attract 2. what opposite poles do when brought near each other
- electromagnet 3. coil of wire with a core attached to an electrical source
- magnet 4. any material that has the ability to attract iron
- repel 5. what the same poles do when brought near each other

binary number system	electrical signal	integrated circuit	RAM	ROM
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- electrical signal 6. an electric current that carries information
- integrated circuit 7. a very small circuit with all its components in a single unit
- binary number system 8. a code used by electronic devices to communicate information
- RAM 9. part of a computer that stores facts temporarily
- ROM 10. part of a computer that contains the built-in memory and programs

- volt 11. a measurement of the amount of electrical push, or force, in a circuit
- watt 12. the measurement of power, or how fast work is done
- ampere 13. a unit that measures how much current flows through a given part of a circuit in one second
- electrolyte 14. a liquid or paste substance that conducts electricity
- battery 15. a power source containing one or more electric cells

II. Multiple Choice: Write the letter of the correct answer in the blank.

- ____ 16. A material that does not allow electricity to flow through it
A. insulator B. resistor C. conductor
- ____ 17. A circuit that has multiple paths through which electricity can flow
A. strand B. parallel C. series
- ____ 18. A circuit that has only one path through which electricity can flow.
A. parallel B. one-way C. series
- ____ 19. a material that reduces the flow of electricity
A. conductor B. resistor C. parallel
- ____ 20. a material that allows electricity to flow through it easily
A. compound B. conductor C. insulator

III. True – False: Write “T” for True or “F” for False. If the statement is false correct the term needed for it to be true.

- F 21. Static electricity occurs when a circuit and a power source allow electrons to move
Current electricity
- F 22. Current electricity is produced when charges build up on the surface of an object
static electricity
- T 23. Plastic, wood, and glass are good insulators
- T 24. A switch is a conductor that can be moved to bridge the gap or not bridge the gap in a circuit
- F 25. Magnetic force is strongest at the middle of the magnet
weakest
- T 26. The area of magnetic force around a magnet is called the magnetic field
- T 27. Integrated circuits signal information by opening and closing electrical circuits in sequence
- T 28. The brain of the computer that tells the other parts of the computer what to do is called the central processing unit (CPU)