

ENERGY  
SCIENCE EXAM  
FIFTH GRADE

Multiply Selection

Choose the correct answer.

1. Is the ability to cause changes in matter:
  - a. Energy
  - b. Weight
  - c. Gravity
2. Are two basic kinds of energy:
  - a. Mechanical and chemical energy
  - b. Kinetic and potential energy
  - c. Thermal and sound energy
3. Is the energy of motion or energy in use:
  - a. Chemical energy
  - b. potential energy
  - c. kinetic energy
4. Is the energy of position or condition:
  - a. Potential energy
  - b. Kinetic energy
  - c. Mechanical energy
5. Are forms of kinetic energy:
  - a. Electric and light energy
  - b. Mechanical and thermal energy
  - c. A and b are correct
6. Is when an object gains or loses electrons:
  - a. Electric charge
  - b. Electric light
  - c. a and b are correct
7. Is a material that conducts electrons easily.
  - a. Resistor
  - b. Conductor
  - c. Insulator
8. Is a material that doesn't carry electrons.
  - a. conductor
  - b. resistor
  - c. Insulator
9. Are materials that resist electric current.
  - a. resistor
  - b. insulator
  - c. conductor
10. Is a piece of clear material that bends, or refracts.
  - a. retina

- b. Lens
- c. Optic nerve

11. Are two kinds of lenses.

- a. Simple and compound
- b. Complex,
- c. Convex, concave lens

12. Is the transfer of thermal energy from one substance to another:

- a. Heat
- b. Light
- c. A and b are correct

13. Are ways that thermal energy can be transferred:

- a. Radiation
- b. Conduction, convection
- c. A and b are correct

14. is the direct transfer of thermal energy between objects that touch.

- a. Conduction
- b. Radiation
- c. Convection

15. is the transfer of thermal energy by electromagnetic waves.

- a. Radiation
- b. Convection
- c. Conduction