

**THIRD PERIODICAL TEST
SCIENCE AND HEALTH VI**

Name: _____
Gr/Sec: _____

Date: _____
Teacher: _____

I. Multiple Choice

Directions: Write the letter of your answer on the space provided before the number.

- _____ 1. What substances or chemicals prevent food from decomposition?
a) additive b) preservatives -, ' c) solvent d) soap
- _____ 2. It is a substance capable of dissolving another substance.
a) additives b) preservatives c) solvent d) soap
- _____ 3. Which of the following is/are the correct safety rules?
a) Never take medicine in the dark. c) Light the stairways.
b) Keep matches out of reach of children. d) All of the above.
- _____ 4. Describe the arrangement of molecules in solids.
a) They are far apart from each other. c) They can go freely.
b) They are close together. d) They are arranged one foot apart.
- _____ 5. How can energy be transferred from one body to another?
a) by change in temperature c) by other reactions
b) by emitted light and sound d) all of the above
- _____ 6. What property of a metal does silver possess?
a) It is brittle. b) It is soft. c) It has luster. d) It can break into pieces.
- _____ 7. A dry cell is useless unless it is changed to
a) electrical energy b) chemical energy c) nuclear energy d) potential energy
- _____ 8. What kind of energy is involved when ice melts ?
a) light energy b) heat energy c) chemical energy d) nuclear energy
- _____ 9. A big rock falls from the mountain. What energy has the falling rock?
a) potential energy b) chemical energy c) mechanical energy d) heat energy
- _____ 10. What is the energy possessed by waterfalls?
a) heat energy b) mechanical energy c) electrical energy d) chemical energy
- _____ 11. The nucleus of an atom has powerful energy in store. How may this energy be released?
a) by splitting the nucleus c) by combining the atom with another atom
b) by keeping the nucleus intact d) all of these
- _____ 12. What form of energy is shown by a falling parachute?
a) chemical energy b) mechanical energy c) electrical energy d) radiant energy
- _____ 13. What energy changes are shown by a moving airplane ?
a) mechanical to heat c) electrical to heat
b) heat to mechanical d) heat to electrical
- _____ 14. When the electric fan is on and revolving, what energy changes are shown?
a) mechanical to heat c) electrical to mechanical
b) heat to electrical d) chemical to mechanical
- _____ 15. A girl pedals her bicycle for five minutes and travels a distance of 120 meter.
What is the speed of the girl ?
a) 600 meter per minute c) 5 meters per minute
b) 12 meters per minute d) 24 meters per minute
- _____ 16. Which of the following best describes the velocity of a moving object ?
a) 60 km/hr b) 60 km/hr N c) 60 km/hr/sec d) none of the above
- _____ 17. Which would require the least force to stop ?
a) A car traveling at 120 km/hr c) A car traveling at 60 km/hr
b) A car traveling at 80 km/hr d) A car traveling at 10 km/hr
- _____ 18. Which statement regarding energy is correct?
a) There is gain in energy during conversion. b) There is loss of energy during conversion.
c) Energy can be created and destroyed. d) Energy cannot be created nor destroyed.
- _____ 19. Which of the following can transmit sound fastest ?
a) water b) air c) wood d) atmosphere
- _____ 20. Why must we conserve fossil fuels ?
a) They are abundant under the ground c) The government is controlling their sale.
b) They cannot be replaced. d) They can be renewed anytime.

- _____ 21. When molecules of matter are made to move fast, what form of energy is produced ?
 a) heat b) sound c) light d) nuclear
- _____ 22. What kind of energy does bread possess ?
 a) chemical b) solar c) kinetic d) mechanical
- _____ 23. When you shout your warning to a friend 50 meters away, what carries the sound ?
 a) gas b) solid c) liquid d) water
- _____ 24. Choose the nonmetal among the following.
 a) phosphorus b) tin c) aluminum d) gold
- _____ 25. Which of the following is NOT a characteristic of nonmetal ?
 a) They are light. b) They conduct electricity
 b) They do not possess luster d) They usually exist in liquid or gaseous form

II. Identification

Directions: Identify the word described in the following. Write the letter of your answer on the blank.

A. energy transformation

B. atom

C. matter

D. additive

E. energy

F. microscope

G. speed

H. Law of Conservation of Energy

I. thermal pollution

J. kinetic energy

K. potential energy

- _____ 26. It occurs when the temperature in the environment rises.
- _____ 27. It is the smallest unit which cannot be broken down into pieces.
- _____ 28. It is the capacity to do work.
- _____ 29. It is the transfer of energy in one form to another.
- _____ 30. It is anything that has mass and occupies space
- _____ 31. It is the distance traveled by an object over a certain period of time.
- _____ 32. It is a substance which improves the taste and color of food.
- _____ 33. It states that energy is not created nor destroyed, it merely changes its form.
- _____ 34. It is energy that an object possess because of its position or condition.
- _____ 35. It is an instrument which is used to see objects which cannot be seen by the naked eye.

III. Alternative Questions

Directions: Write **TRUE** if the statement is correct or **FALSE** if otherwise.

- _____ 36. Fish and other aquatic animals will grow abundantly when there is thermal pollution.
- _____ 37. Insecticides and preservatives should be put separately in the cabinet.
- _____ 38. Nuclear energy has beneficial and harmful effects.
- _____ 39. Sound travel fastest in gas than in solid.
- _____ 40. Heat of the earth, wind and flowing water can be transformed to electrical energy.
- _____ 41. The most useful form of radiant energy is light energy.
- _____ 42. Motion takes place when the forces acting on an object are balanced.
- _____ 43. The molecules in solid exhibits surface tension.
- _____ 44. Silica is the most abundant element on earth.
- _____ 45. Speed of sound is faster than speed of light.
- _____ 46. Radiation is the by product of mechanical energy.
- _____ 47. Ultrasonic sounds are heard by dolphins, bats and dogs but not by man.
- _____ 48. Chlorofluorocarbons cause the thinning of the ozone layer.
- _____ 49. Most plastics dumped into rivers do not decay because there are no microbes that can use them as food.
- _____ 50. Taste or smell unknown materials before using them.