



Department of Education
Region NCR
Schools Division of Manila

A.C HERRERA ELEMENTARY SCHOOL


THIRD PERIODICAL TEST IN SCIENCE VI

S.Y. 2019 - 2020

Name: _____ **Grade** _____
&Section: _____
Date: _____ **Score:** _____

I. MULTIPLE CHOICE: Read each item carefully then circle the letter of the correct answer.

- Which of the following statements best describes friction?
 - It is a force that occurs between solids.
 - It is a force that occurs only on rough surfaces
 - It is a force that occurs between solids and liquids.
 - It is a force that occurs when surfaces touch each other.
- Why can't a ball roll continuously on a rough surface?
 - The rough surface is not made for balls to roll.
 - The force which enables the ball to move is released.
 - The rough texture of the surface blocks the movement of the ball.
 - The rough texture of the surface permits the movement of the ball.
- What eventually happens to a moving object when it moves along a surface?
 - It will continuously move.
 - It will stop immediately.
 - It will eventually slow down and stop.
 - It will move either to the right or left side and stop.
- Which moves fastest on a flat surface?
 - Ball
 - Wooden box
 - Block of wood
 - Sheet of paper
- A bicycle moves faster on a cemented road than on a bumpy road. Why?
 - Friction is greater on a cemented road.
 - Friction is lesser on a cemented road.
 - There is no friction on a cemented road.
 - The bicycle can roll only on a cemented road.
- Which shows that friction is undesirable?
 - Pushing furniture.
 - Lighting a matchstick.
 - Walking on wet floors.
 - Approaching a stoplight.
- Why does a car travel faster in going down than in going up?
 - It is moving against gravity.
 - It is being pushed by the wind.
 - It is moving toward gravity.
 - It is being pulled by the weight of the car.
- Why is it difficult to climb up the stairs rather than to go down the stairs?
 - You go with gravity.
 - You are against gravity.
 - You move upward.
 - You move downward.
- Which of these will feel the biggest gravitational pull on earth?
 - A 1000-kg elephant
 - A 100-kg boxer

- A. Heat and Sound B. Light and Sound C. Heat and Light D. Heat and Nuclear
22. When you lighted a lamp or candle, the chemical energy of the lamp is changed into light energy, and at the same time it can produce _____.
A. Heat B. Sound C. Electricity D. Chemical
23. When you plugged a transistor radio in an electrical outlet and switch on the power button, automatically the electrical energy is turned to _____.
A. Heat Energy B. Sound Energy C. Light Energy D. Radiant Energy
24. If you use some appliances, you observe that after few minutes, electrical energy is always produced _____.
A. Light Energy b. Heat Energy C. Sound Energy D. Mechanical
25. When we turn on the television, electrical energy changes into light and _____.
A. Sound B. Heat and Sound C. Heat and Light D. Heat and Chemical
26. When we talk on the cellular phones, the speaker of the phone on the other end changes the electrical energy/ electromagnetic waves back into _____.
A. Heat Energy B. Light Energy C. Sound Energy D. Electrical Energy
27. In using door bells and buzzers, electrical energy is transformed to _____.
A. Sound Energy B. Heat Energy C. Electrical Energy D. Chemical Energy
28. Which is not a function of a simple machine?
A. Makes doing work easier C. Makes work longer and difficult
B. Changing direction of a force D. Increases the distance over which a force can be applied
29. Which simple machine consists of sloping surface that reduces the amount of force needed to lift something?
A. Lever B. Pulley C. Wheel and Axle D. Inclined Plane
30. It is any rigid bar that is free to rotate about its axis or fulcrum.
A. Pulley B. Lever C. Wedge D. Inclined Plane
31. What simple machine is shown in the picture?
A. Lever
B. Pulley
c. Wedge
D. Screw
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32. Which simple machine allows you to gain mechanical advantage in moving object or in applying a force to an object?
A. Lever B. Pulley C. Wedge D. Screw
33. This simple machine is considered as one of the six classical simple machines which is used as an aid for raising and lowering a load.
A. Lever B. Pulley C. Wedge D. Inclined Plane
34. Which simple machine can be used to separate two objects or portions of an object or hold an object in place?
A. Lever B. Pulley C. Wedge D. Screw
35. Which simple machine retains or holds things together?
A. Lever B. Pulley C. Wedge D. Screw
36. Which simple machine is used in a variety of ways to lift loads, apply forces, and to transmit power?
A. Lever B. Pulley C. Wedge D. Screw
37. Which type of pulley allows you to raise the flag?
A. Fixed Pulley C. Block and Tackle Pulley
B. Movable Pulley D. Both Fixed and Movable Pulley
38. Which type of pulley doubles your effort but it does not change the direction of your force?
A. Fixed Pulley C. Block and Tackle Pulley
B. Movable Pulley D. Both Fixed and Movable Pulley
39. Which simple machine has a mechanical advantage that is computed as the ratio of the resistance to the effort?
A. Wheel and Axle B. Pulley C. Wedge D. Screw
40. Which does not belong to the group?
A. Crank of a paper sharpener B. Meat Grinder C. Door Knob D. Spoon



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TABLE OF SPECIFICATION

OBJECTIVES	NO. OF DAYS TAUGHT	NO. OF ITEMS	PERCENTAGE	TEST PLACEMENT
Infer why an object moving along a surface eventually slows down and stops	3	3	6	2-4
Describe what friction is and its kinds	1	1	2	1
Investigate factors affecting frictional force	1	1	2	47
Describe how friction affects the movement of an object	1	1	2	5
Identify the desirable and undesirable effects of friction to object and people	1	1	2	6
Make an advertisement to demonstrate road safety	3	3	6	48-50
Infer how gravity affects movements of objects and people	1	1	2	7
Describe how the motion of an object is affected by gravity	1	1	2	8
Infer the effects of gravity on objects and people	1	1	2	9
Show the external conditions affect the movement of objects and people	1	1	2	10

Cite practical benefits and applications of gravity	3	3	6	11-13
Identify forms of energy (sound, heat, light and electricity)	1	1	2	14
Describe how sound energy is produced	1	1	2	15
Describe how heat is produced	1	1	2	16
Describe how light energy is produced	1	1	2	17
Describe how electrical energy is produced	1	1	2	18
Infer that energy can be transformed from one form to another	1	1	2	19
Demonstrate how heat can be transformed into light energy	1	1	2	20
Demonstrate how electricity can be transformed into light to heat	1	1	2	21
Demonstrate how light energy can be transformed into heat	1	1	2	22
Demonstrate how electrical energy can be transformed into sound energy	1	1	2	23
Demonstrate how electrical energy can be transformed into heat	1	1	2	24
Infer how electricity can be transformed into sound to heat	3	3	6	25-27
Describe what a machine does and give its function	3	3	6	28-30
Identify the different kinds of simple machines	1	1	2	31
Describe the characteristics and functions of a lever	1	1	2	32
Describe the characteristics and functions of inclined plane	1	1	2	33
Describe the characteristics and function of a wedge	1	1	2	34
Describe the characteristics and functions of a screw	1	1	2	35
Describe the characteristics and functions of a pulley	1	1	2	36
Identify the types of pulley	2	2	4	37-38
Describe the characteristics and function of wheel and axle	2	2	4	40
Demonstrate the uses of wheel and axle	2	2	4	42
Identify precautionary measures using simple machines	2	2	4	43-44
Demonstrate the practical and safe uses of simple machines	2	2	4	45-46
TOTAL	50	50	100	50

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