DepED
DEPARTMENT OF EDUCATION

MATATAG
Bansang Makabata Batang Makabansa

SCIENCE - 4
3RD QUARTER
MATATAG CURRICULUM BASED
SUMMATIVE TEST 3
WEEK 5 and 6

KAGAWARAN NG EDUKASYON
REPUBLIKA NG PILIPINAS

NAME:_____ **SCORE** _____

Direction: Read each question carefully. Identify the letter of the correct answer.

1. What does a distance vs. time graph show?
a. Temperature changes
b. Motion of an object
c. Shape of an object
d. Weight of an object

2. What does a flat line on a distance vs. time graph indicate?
a. The object is moving faster.
b. The object is moving at a steady speed.
c. The object is stationary.
d. The object is slowing down.

3. What do you call the thing that can cause change:
a. Motion
b. Sound
c. Energy
d. Distance

4. Which of the following is a form of energy?
a. Light
b. Air
c. Water
d. Weight

5. What happens when light energy shines on a plant?
a. The plant stops growing.
b. The plant uses the light for photosynthesis.
c. The plant absorbs the heat.
d. The plant changes color.

6. Which of these is an example of sound energy?
a. The brightness of the sun
b. The ringing of a bell
c. The heat from a fire
d. The flow of water

7. What is heat energy used for in cooking?
a. To cool the food
b. To melt the food
c. To change the food's color
d. To make the food hot and cooked

8. Which of these sources of light energy do you use at home?
a. A piano
b. A flashlight

c. A stove
d. A drum

9. What is the main source of light energy in the daytime?
a. A lamp
b. The moon
c. The sun
d. A candle

10. Which of these is a safety tip when dealing with energy sources?
a. Touching hot appliances
b. Leaving candles unattended
c. Turning off devices after use
d. Playing near electrical sockets

11. Based on a distance vs. time graph, how can you tell if an object is moving at a uniform speed?
a. The line is curved.
b. The line is straight and slanted.
c. The line goes down.
d. The line is flat.

12. Which of these situations shows the transformation of energy?
a. A bulb lighting up when switched on
b. Water remaining still in a glass
c. A book lying on a table
d. A closed refrigerator

13. Identify the energy form involved: When ice melts, it is due to:
a. Sound energy
b. Heat energy
c. Light energy
d. Kinetic energy

14. When you clap your hands, what form of energy is produced?
a. Light energy
b. Sound energy
c. Heat energy
d. Electrical energy

15. A car's horn produces sound energy. What does this sound energy help do?
a. Heat the car
b. Make the car move
c. Alert other people
d. Cool the engine

16. Which of the following sources produces sound energy?
a. A lamp
b. A whistle
c. A fan
d. A microwave

17. Match the energy to its source: The sun provides:
a. Sound energy

b. Electrical energy
c. Heat and light energy
d. Chemical energy

18. Which of these shows how energy is transferred?
a. Lighting a candle with a matchstick
b. Placing a candle in the dark
c. Keeping a matchstick unused
d. Turning off a bulb

19. What safety precaution should you follow when using a stove?
a. Leave it unattended while cooking.
b. Turn it off after cooking.
c. Place papers near the stove.
d. Use a wet hand to touch the stove.

20. How can you reduce energy waste at school?
a. Turning off lights when not in use
b. Keeping water taps running
c. Using damaged devices
d. Leaving computers on all night

21. You observe a straight, slanted line on a distance vs. time graph. What conclusion can you make about the object?
a. It is stationary.
b. It is slowing down.
c. It is moving at a constant speed.
d. It is speeding up.

22. You need to explain how light energy is used in photosynthesis. Which of these is the correct explanation?
a. Light energy burns the leaves.
b. Light energy is converted into food by plants.
c. Light energy causes the plant to move.
d. Light energy creates heat for the plant.

23. You hear a loud noise from a fire alarm. Which form of energy is being used to alert you?
a. Heat energy
b. Sound energy
c. Light energy
d. Kinetic energy

24. A ball rolling on the ground stops after a while. What happened to the energy?
a. It disappeared.
b. It transformed into sound and heat energy.
c. It stayed in the ball.
d. It turned into water.

25. You see a candle lighting up a room. How is energy transferred in this situation?
a. From heat energy to light energy
b. From sound energy to light energy
c. From light energy to heat energy
d. From chemical energy to light and heat energy

Answer Key:

1. b
2. c
3. c
4. a
5. b
6. b
7. d
8. b
9. c
10. c
11. b
12. a
13. b
14. b
15. c
16. b
17. c
18. a
19. b
20. a
21. c
22. b
23. b
24. b
25. d

SUMMATIVE TEST 3

SCIENCE 4- week 5&6

TABLE OF SPECIFICATION

COMPETENCIES/OBJECTIVES	No. of Days Spent	Weight	No. of Items	COGNITIVE PROCESS DIMENSION					
				R	U	AP	AN	E	C
				EASY		AVERAGE		DIFFICULT	
				ITEM PLACEMENT					
Lesson Objective 1: construct a simple distance vs. time graph;	**2**	**4%**	**1**	1					
Lesson Objective 2: identify if an object is stationary or moving at a uniform speed using the line graph.	**2**	**12%**	**3**	2		11	21		
Learning Competency 3: The learners identify that energy is something that can cause change including light, sound, and heat energy.	**3**	**52%**	**13**	3,4,6, 7	5	12,13,14 18	15	22,23 24	
Learning Competency 4: The learners observe and identify sources and uses of light, sound, and heat energy at school, at home	**3**	**32%**	**8**	8,9	10,17,19	16,20		25	

and in the local community.									
TOTAL	**10**	**100%**	**25**						