HENRY PARK PRIMARY SCHOOL

END OF THE YEAR EXAMINATION 2023

PRIMARY 4

SCIENCE

SECTION A (56 MARKS)

INSTRUCTIONS TO CANDIDATES

1. Do not turn over this page until you are told to do so.
2. Follow all instructions carefully.
3. Answer all questions.
4. Shade your answers on the Optical Answer Sheet (OAS) provided.

Name: _____ ( )

Class: Primary 4 ( )

Date: 26 October 2023

Total Time for Booklets A and B: 1 h 45 min

Sections	Marks
A	/ 56
B	/ 44
Total	/ 100

Parent's Signature: _____

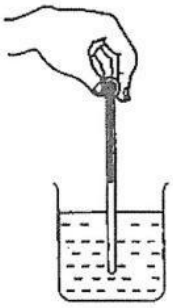
LIVEWORKSHEETS

Section A (56 marks)

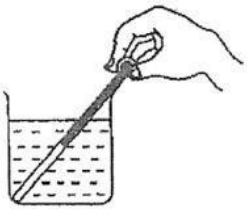
For each question from 1 to 28, four options are given. One of them is the correct answer. Make your choice (1, 2, 3 or 4). Shade the correct oval (1, 2, 3 or 4) on the Optical Answer Sheet.

1. Cecilia wants to measure the temperature of hot water in a beaker.

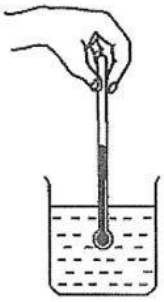
   Which one of the following diagrams shows the correct position of the thermometer when taking the temperature reading?



(1)



(2)



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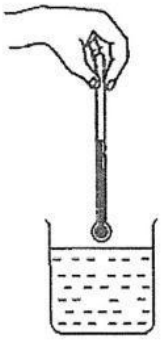


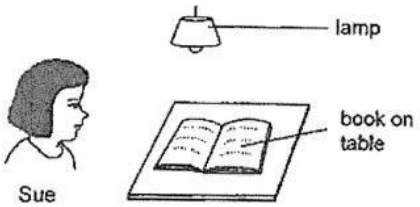
(4)

LIVEWORKSHEETS

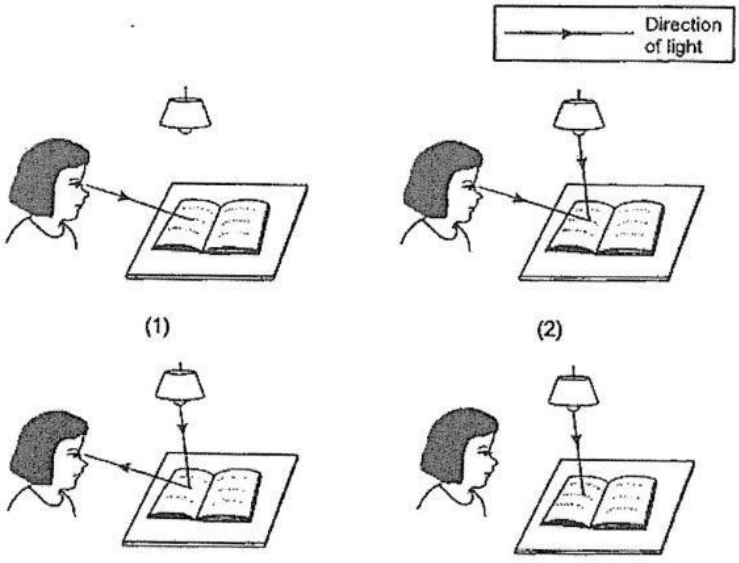
2. Which one of the following is the best conductor of heat?

(1) A metal cup
(2) A paper cup
(3) A plastic cup
(4) A ceramic cup

3. Look at the picture below.



Which one of the following explains why Sue can see the book on the table?



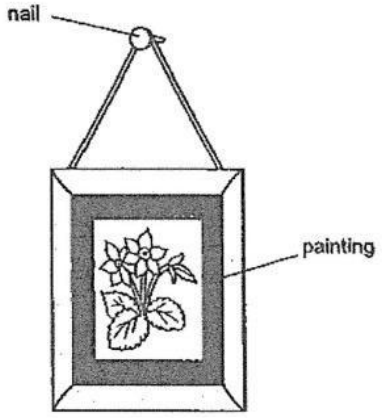
(1) (2) (3) (4)

LIVEWORKSHEETS

4. Which one of the following can be attracted by a magnet?

(1) iron rod
(2) glass rod
(3) plastic rod
(4) wooden rod

5. The diagram shows a painting hanging on a wall.

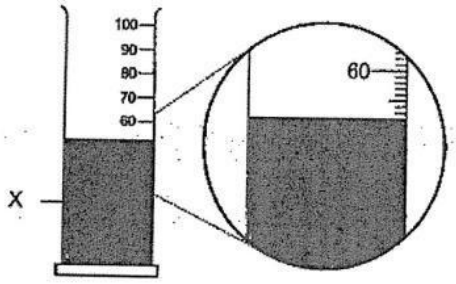


Steel is used to make nails because it _____.

(1) is shiny
(2) is strong
(3) is magnetic
(4) sinks in water

LIVEWORKSHEETS

6. In the diagram, what is the volume of liquid X?



(1) 50 ml
(2) 52 ml
(3) 60 ml
(4) 66 ml

7. Which animal has a pupa as a stage in its life cycle?

(1) frog
(2) chicken
(3) mosquito
(4) grasshopper

8. In which part of the digestive system is digested food absorbed into the blood?

(1) mouth
(2) stomach
(3) large intestine
(4) small intestine

LIVEWORKSHEETS

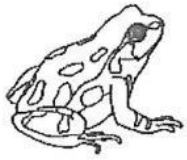
9. The arrows (⟶) in the diagram below show the direction of movement of a substance in plants.

roots ⟶ stem ⟶ leaves

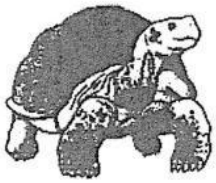
What is this substance?

(1) soil
(2) food
(3) water
(4) seed

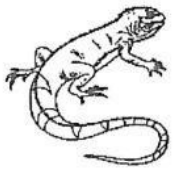
10. Which animal is NOT a reptile?



(1)



(2)



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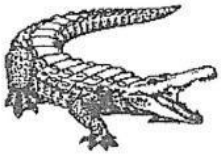
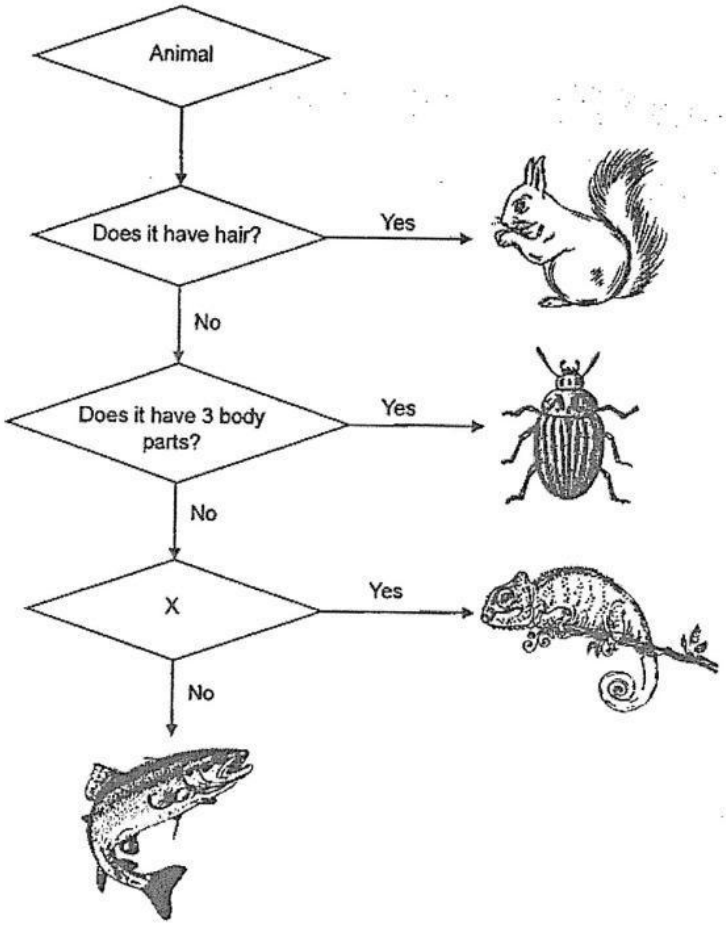


(4)

LIVEWORKSHEETS

11. Study the flowchart below.



Which of the following is a possible question for X?

(1) Does it lay eggs?
(2) Does it live on land?
(3) Does it have scales?
(4) Does it live in water?

LIVEWORKSHEETS

12. Which of the following living things reproduces by seeds?

(1)

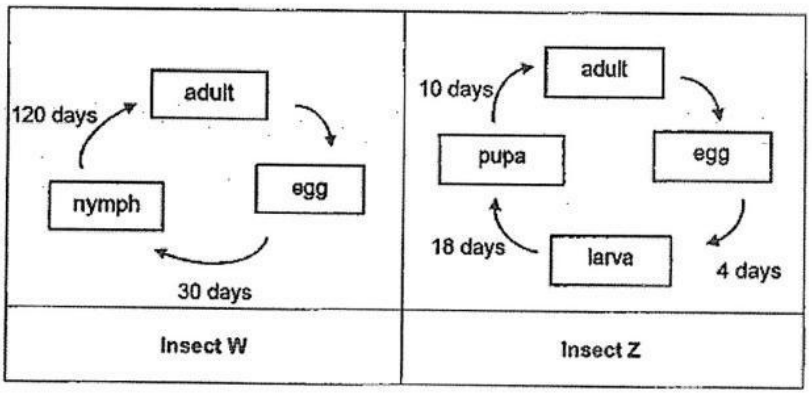
(2)

(3)

(4)

LIVEWORKSHEETS

13. The diagrams below show the life cycles of insects W and Z.



Based on the diagrams above, which of the following statements are **not** correct?

A Both insects reproduce by laying eggs.

B Insect Z takes a longer time to develop from egg to adult.

C The higher the number of stages in the life cycle, the longer the time taken for an egg to develop into an adult.

(1) A and B only

(2) B and C only

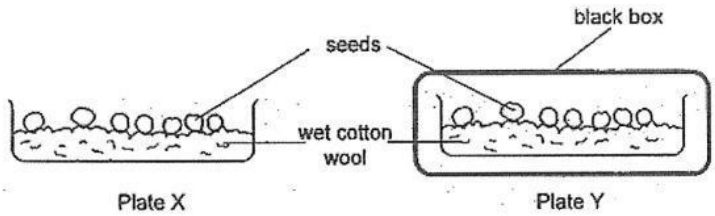
(3) A and C only

(4) A, B and C

LIVEWORKSHEETS

14. Jerry planted green bean seeds in two open plates X and Y.

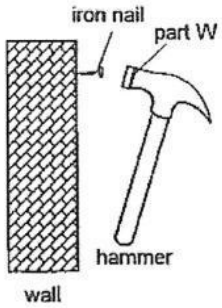
He placed both plates X and Y by the window but plate Y was placed in a black box as shown below.



Based on his experimental set-up shown above, what was the aim of his experiment?

(1) To find out if light is needed for seeds to grow.
(2) To find out if water is needed for a seed to make food.
(3) To find out if presence of light affects the height of the seedling.
(4) To find out if presence of water affects the height of the seedling.

15. Sam used a hammer to hit the iron nail into the wall.



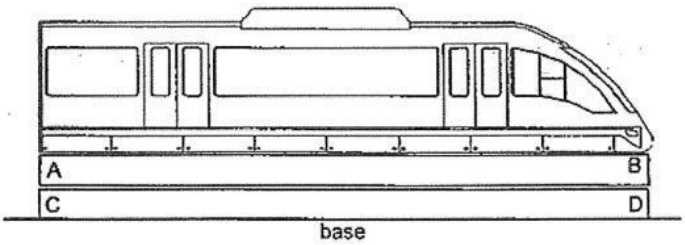
Which of the following correctly states the properties of part W?

	strong	flexible
(1)	no	no
(2)	no	yes
(3)	yes	yes
(4)	yes	no

LIVEWORKSHEETS

17. The diagram shows a model train used in a Science project.

Bars AB and CD are used to help the train "float" above the base as shown in the diagram below.



Which of the following shows the magnetic poles of bars AB and CD?

	A B	C D
P	N S	N S
Q	N S	S N
R	S N	N S
S	S N	S N

(1) P only
(2) Q only
(3) P and S only
(4) R and S only

LIVEWORKSHEETS

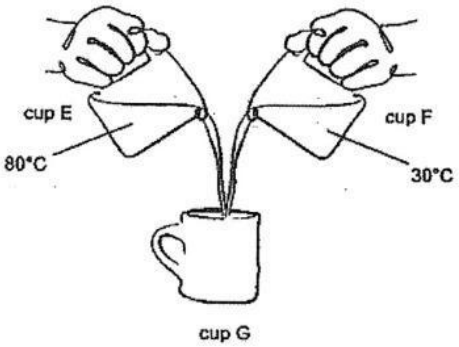
24. Alison was eating ice cream in a cup, using a spoon to scoop the ice cream into her mouth.

Which of the following about the heat transfer between the cup, ice cream and Alison is correct?

	Ice cream	Cup	Alison's mouth
(1)	gained heat	lost heat	lost heat
(2)	gained heat	gained heat	lost heat
(3)	lost heat	lost heat	gained heat
(4)	lost heat	gained heat	gained heat

LIVEWORKSHEETS

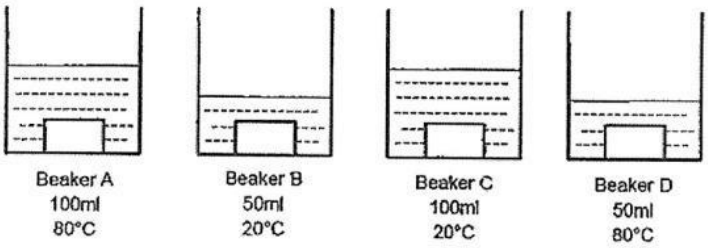
25. Evan poured the same volume of water from cups E and F into an empty cup G as shown in the diagram below.



Which of the following is most likely the temperature of water in cup G right after the water is poured?

(1) 28 °C
(2) 30 °C
(3) 55 °C
(4) 110 °C

26. Four metal blocks were heated to a temperature of 80°C. Each block was dropped into a beaker of water. Each beaker contained a different amount of water, at a different temperature, as shown below.

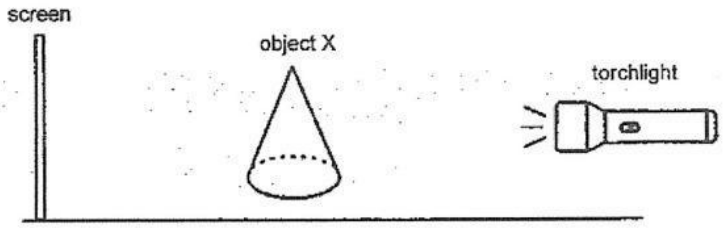


In which beaker would the water show the largest increase in temperature?

(1) A
(2) B
(3) C
(4) D

LIVEWORKSHEETS

27. Derek tried to form different shadows of object X by using a torchlight and a screen.



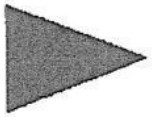
Which one of the following shadows cannot be formed by object X on the screen?

(1)

(2)

(3)

(4)



LIVEWORKSHEETS

Section B (44 marks)

For questions 29 to 41, write your answers in the space provided.

The number of marks available is shown in brackets [ ] at the end of each question or part question.

29. Jill observed and grouped some things as shown in the table.

G	H
lion	marble
earthworm	umbrella
mushroom	pencil

What are the suitable headings for G and H? [2]

Group G - _____

Group H - _____

30. Draw lines to match the three organ systems to their functions. [3]

organ systems	functions
respiratory system	supports our body and gives it shape
circulatory system	breaks down food into simpler substances
skeletal system	takes air into and out of the body
	transports digested food, water and oxygen to all parts of the body

LIVEWORKSHEETS