

AI TONG SCHOOL

2020 END-OF-YEAR EXAMINATION PRIMARY FIVE SCIENCE

(BOOKLET A)

29 OCTOBER 2020

Total time for booklets A and B: 1 h 45 min

INSTRUCTIONS

Do not turn over this page until you are told to do so.

Follow all instructions carefully.

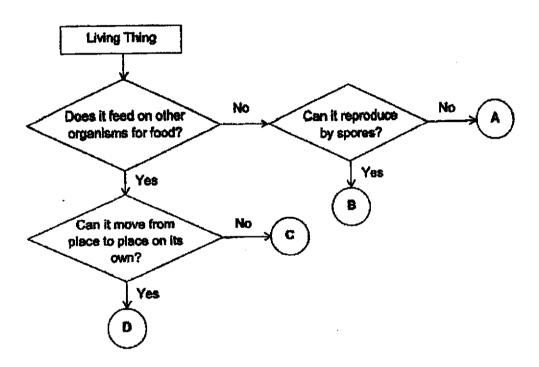
Answer all questions.

Name:()		
Class: Primary 5	Booklet A	56
Parent's Signature :	Booklet B	44
	Total	

Section A (28 x 2 misrks)

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

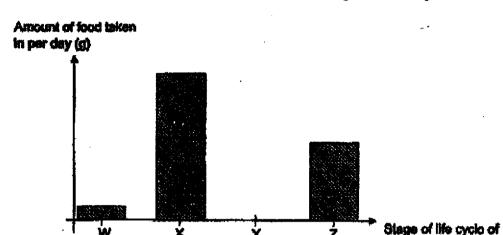
1. Refer to the flowchart below. A, B, C and D represent different living things.



Which of the following living things, A, B, C and D, do the mushroom and fem represent?

	Mustroom	Fern
(1)	В	С
(2)	Α	D
(3)	D	A
(4)	C	В .

 The graph below shows the amount of food taken in by an organism daily at each stage of its life cycle. W, X, Y and Z represent different stages of its life cycle.



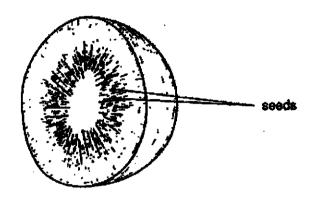
Based on the graph above, which of the following statement(s) is/are incorrect?

- A Stage Y is the pupel stage of the organism.
- At stage Z, the organism reproduces by giving birth.
- C The organism remains in stage W and stage X for the same amount of time.

the living thing

- The organism goes through the same stages in its life cycle as the frog.
- (1) A only
- (2) A and D only
- (3) B and C only
- (4) B, C and D only

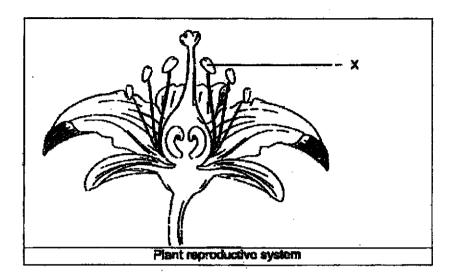
3. Study the diagram of the fruit P below.

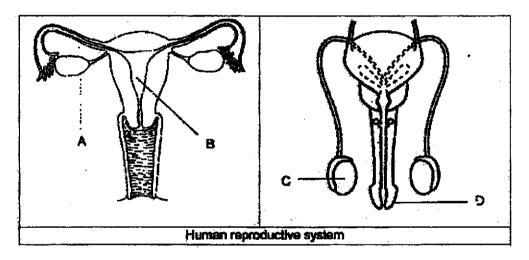


Based on the diagram, what can be concluded about fruit P?

- A Its flower is pollinated by wind.
- B it is produced from many flowers.
- C The ovary of its flower contains many ovules.
- After fertilisation, the overy of its flower swells and becomes the fleshy fruit.
- (1) A and B only
- (2) A and C only
- (3) C and D only
- (4) A, B and D only

The diagrams below show the plant and human reproductive systems.

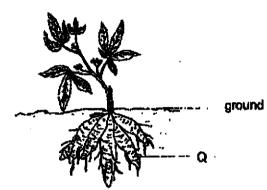




Which part of the human reproductive system has a similar function as part X?

- 8
- (1) (2) (3) (4) C

 Study the diagram of the plant below. Part Q helps to store excess food for the plant.



Which of the following is another function of part (2?

- (1) It holds the plant upright.
- (2) It photosynthesises to make food for the plant.
- (3) It takes in carbon dioxide and releases oxygen.
- (4) It helps the plant to take in water and minerals.
- Four students made comparisons about the human circulatory system and the plant transport system.

Student	Comparison statements		
•	Human circulatory system	Plant transport system	
Lara	Transports water, oxygen, carbon dioxide and digested food	Transports water, carbon dioxide and food	
Ming	Transports food and water in separate blood vessels	Transports food and water in food and water-carrying tubes	
Olivia	Transports substances absorbed in the blood	Transports substances through food and water-carrying tubes	
Panya	Transports water to the upper and lower body parts of the human body	Transports water to the upper parts of the plant	

Which students made the correct comparison statements?

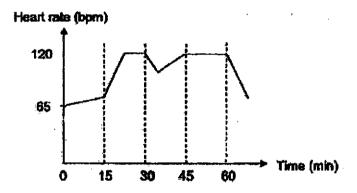
- (1) Lara and Ming only
- (2) Olivia and Panys only
- (3) Olivia, Lara and Ming only
- (4) Olivia, Ming and Panya only

 Study the diagram below. The (**—**) shows the movement of substance(s) in the body.



What is/are the substance(s)?

- (1) Digested food only
- (2) Digested food and water only
- (3) Digested food and oxygen only
- (4) Undigested food and water only
- 8. Kya attended her swimming practice which lasted for 60 minutes. The graph below shows her heart rate during her practice.



Based on the graph, which of the following statements are correct conclusions?

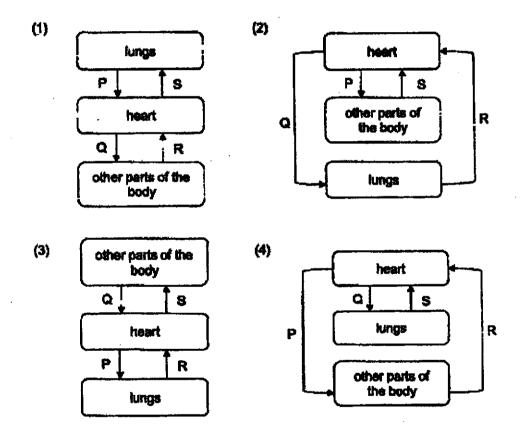
- A Kya's heart rate decreased the most after the 60th minute.
- 13 Kya breathed in less coygen after the 60th minute.
- Kya awam laps up and down the poul from the 15th to 80th minute without taking a break.
- At the heart rate of 120 beats per minute (bpm), Kya's heart only pumped blood rich in coygen around her body.
- (1) A and B only
- (2) A and D only
- (3) B, C and D only
- (4) A, B and D only

 Libtin was asked to draw a diagram of the human circulatory system. Libtin was told to use arrow and letters P. Q. R. S to represent the flow of blood around the body.

She was given these information on P, Q, R and S.

- . Blood at R contains more carbon dioxide than the blood at P.
- . Blood at S contains the least amount of carbon dioxide.
- · Blood at Q contains the most emount of carbon dioxide.

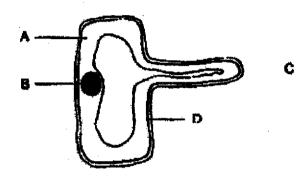
Which of the following graphs correctly shows the diagram Lixin has to draw?



Which statement about cetts is true?

- Cells can be seen with the naked eye, (1)
- (2) (3) Cells have fixed structures and shapes.
- Cells are unable to reproduce on their own.
- Cells are able to react to changes in the environment.

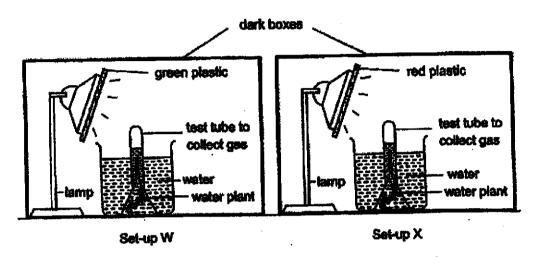
Study the cell below. 11.



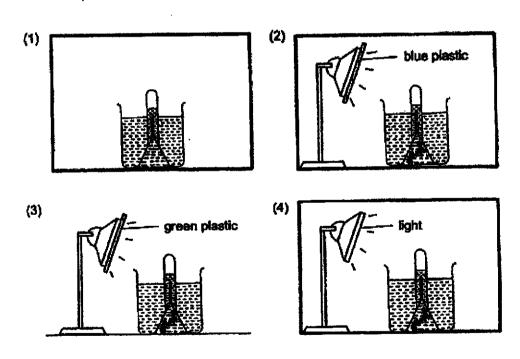
Which parts of the cell are present in most animal cells?

- A and B only (1)
- (2) Cand Donly
- B, C and D only
- A, B and D only

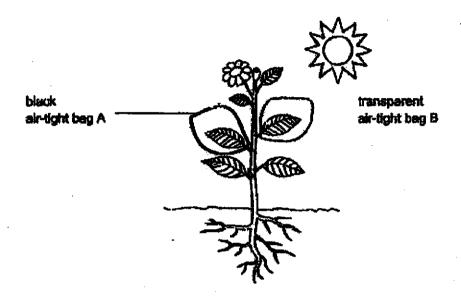
12. James wants to find out if the colour of light used will affect the rate of photosynthesis. He prepared two similar set-ups, W and X, as shown in the diagram below. Each set-up was placed in a dark box with a different coloured light.



Which set-up below should James use as a control set-up for his experiment?



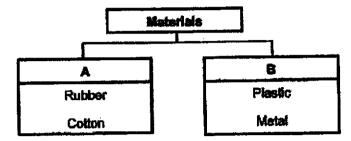
13. Surie wanted to find out how light affects gaseous exchange in the plants. She wrapped two identical-sized leaves from the same plant with different bags, A and B. The plant was placed under sunlight for four hours, as shown in the diagram below.



After four hours, which option shows the most possible change in amount of gases in each bag?

	Amount of oxygen in bag A	Amount of oxygen in bag B
(1)	remains the same	decrease
(2)	decrease	increase
(3)	decrease	remains the same
(4)	increase	remains the same

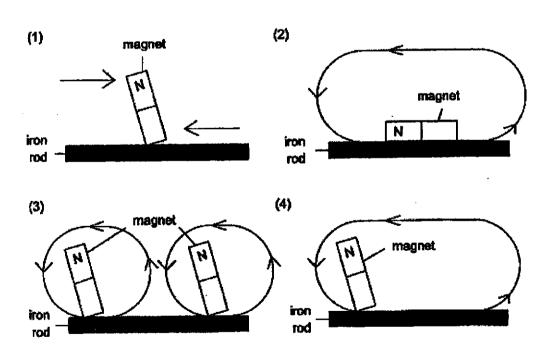
14. Study the classification chart below.



Which of the following sets of headings best represents A and B?

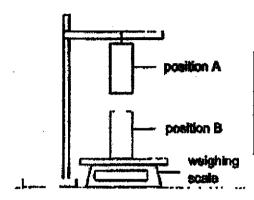
1	A	3
(1)	Not waterproof	Waterproof
(2)	Come from plants	Come from materials from the ground
(3)	Come from animals	Come from plants
(4)	Allow most light to pass through	Do not allow any light to pass through

15. Which of the following options is the correct way of conducting the stroking method to magnetise the iron rod?



A-11

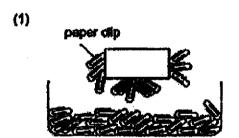
16. Raina wanted to find out the magnetic properties of bars, W, X, Y and Z. They have the same masses. She hung some of the bars at position A white placing the others at B and observed the readings on the weighing scale.

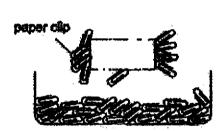


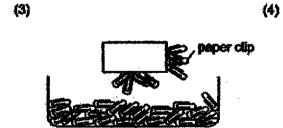
Position A	Position O	Reading on the weighing scale
W	X	decreases
Y	W	increases
Z	×	remains tho same

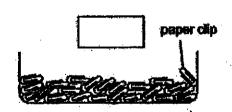
Based on the results of the experiment, what can Raine observe after placing bar W in a container of steel paper clips?

(2)

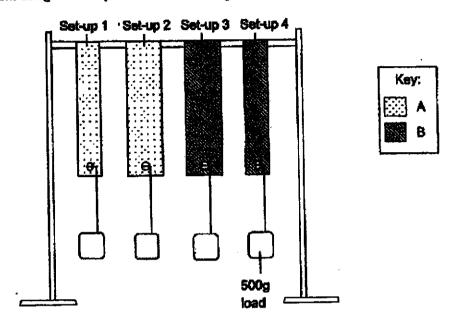








17. Logan wanted to investigate which material, A or B, is stronger. He carried out the experiment using the set-up as shown in the diagram below.



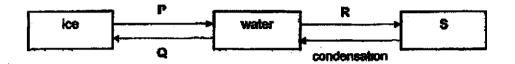
He added a load onto each set-up until the material broke. He repeated the experiment two more times and recorded the number of loads added to the material until it broke in the table shown below.

Set-ups	Number of le	Number of loads added till the material breaks		
-	First reading	Second reading	Third reading	
Set-up 1	6	7	8	
Set-up 2	7	8	8	
Set-up 3	11	9	10	
Set-up 4	7	6	6	

Based on the results, which of the following statement is definitely irue?

- (1) Material B is as strong as Material A.
- (2) Logan should use all set-ups to conduct a fair tast.
- (3) Set-ups 3 and 4 allow Logan to conduct a fair test with reliable results.
- (4) Set-ups 1 and 4 allow Logan to conduct a fair test with reliable results.

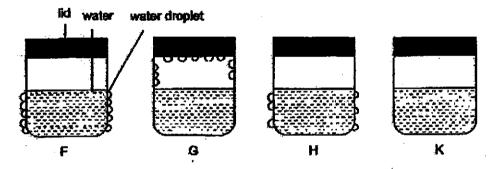
18. The diagram below shows how water changes from one state to another.



Which of the following correctly identifies P. Q. R. S?

[P	Q	R	5
(1)	freezing	melting	boiling	steam
(2)	condensation	melting	evaporation	steam
(3)	melting	freezing	boiling	water droplets
(4)	meiting	freezing	evaporation	Majai valuoni

19. Rani poured same amount of water of the same temperature into each of the containers, F, G, H and K. She placed each container at different locations with different temperatures. An hour later, she checked the containers at their locations and observed the water droplets, shown in the diagram below.



Which of the following shows the temperature of the surroundings which the containers of water were placed in?

	Highest temperat	first first	-	Lowest temperature of surroundings
(1)	F	Н	K	G
(2)	G	K	Н	F
(3)	κ	G	F	Н
(4)	14		G	K

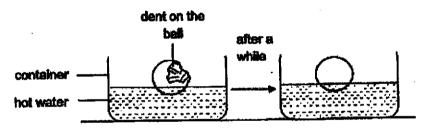
Study the table below for the boiling point and melting point of three substances.

Substances	Melting point (°C)	Boiling point (*C)
W	-7	64
X	37	130
Y	52	300

Which of the following options shows the correct state of the substances at 65°C?

Г	State of W	State of X	State of Y
(1)	Liquid	Liquid	Liquid
(2)	Liquid	Solid	Solid
(3)	Gaseous	Solid	Solid
(4)	Gaseous	Liquid	Liquid

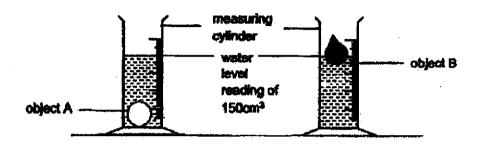
21. Tate stepped on a ping pong ball causing a dent on it. When he placed the dented ball into a container of hot water, the ball recovered its original shape.



Which of the following describes the changes in mass and volume of the ball after Tate had placed it in hot water?

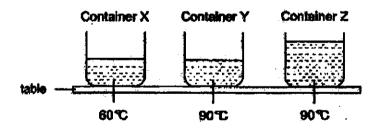
	Volume of air in the ball	Mass of the ball
(1)	increases	increases
(2)	Increases	remains the same
(3)	remains the same	increases
(4)	remains the same	remains the same

22. Ains wanted to compare the properties of two objects, A and B. Ains placed object. A into a measuring cylinder and poured 100cm³ of water into it. She noticed that the water level rose to the measurement of 150cm³. She repeated the same step for object B as shown in the diagram below.



Based on the experiment results, which is a possible conclusion Aina can make for both objects A and B?

- (1) A has more mass than B.
- (2) B has more volume then A.
- (3) B has a volume of more than 180cm³.
- (4) Both A and B each has a volume of 50cm3.
- 23. There are three similar containers, X, Y and Z, made of the same material. Each container contained a different amount of water heated to a different temperature.

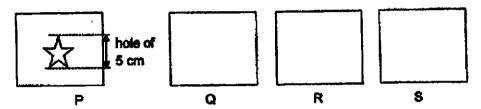


Based on the experiment, which of the following statements is true?

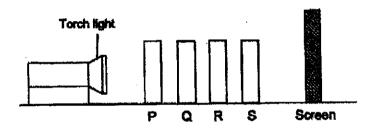
- (1) Water in containers Y and Z contained the same amount of heat.
- (2) All containers of water contained the same amount of heat at room temperature.
- (3) Water in container X took the shortest amount of time to cool to room temperature.
- (4) Water in containers Y and X lest the same amount of heat when cooled to room temperature.

A-18

24. An experiment was carried out in a dark room with four sheets of materials, P, Q, R and S, of the same size. A star-shaped hole of 5 cm in height was removed from the centre of P, as shown in the diagram below.



The four sheets of materials were arranged in a straight line. When the torch was switched on, only a bright patch of star-shaped light was seen on R.



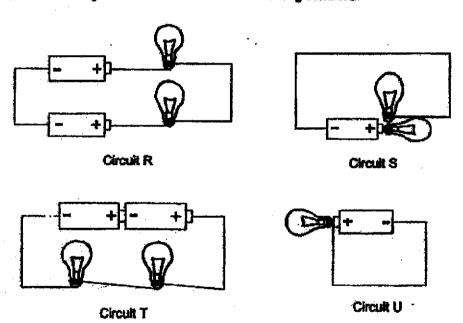
Based on the results of the experiment, which of the following statements is/are true?

- A R does not allow light to pass through.
- B There will not be any shadow formed on the screen.
- C It is not possible to tell if S allows light to pass through.
- D P is transparent as it allows most light to pass through.
- (1) A and C only
- (2) B and C only
- (3) B and D only
- (4) A, C and D only

25. Which of the following items do not conduct electricity?

- A coin
- B towel
- C needle
- D ice-cream stick
- (1) A and C only
- (2) B and D only
- (3) C and D only
- (4) A, B and D only

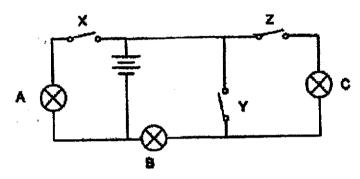
26. Study the four circuits, R, S, T, and U, as shown in the diagram below. All batteries and light bulbs are identical and in working condition.



In which circuits would the bulbs not light up?

- (1) S and U only
- (2) S and T only
- (3) R and T only
- (4) Rand Upnly

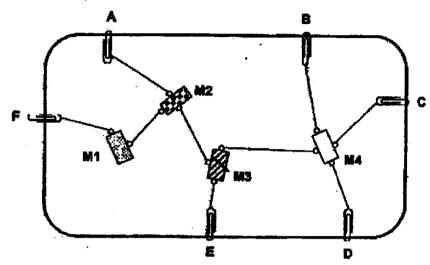
27. A teacher set up a circuit as shown below with bulbs, A, B and C and switches, X, Y and Z, are connected in a circuit as shown below. All bulbs and baltieries are in working condition.



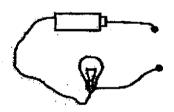
Which of the following is correct?

Γ	Does the bulb fight up?			Switches		
-	A·	В	C	X	Y	Z
<u>m</u> †	No	No	Yes	Open	Open	Closed
(2)	Yes	No	Yes	Closed	Closed	Open
(3)	Yes	No	No	Closed	Ореп	Open
(4)	No	Yes	Yes	Closed	Орел	Closed

28. Kim wanted to find out the electrical conductivity of four materials, M1, M2, M3 and M4. She stuck paper clips, A, B, C, D, E and F, on a cardboard. She placed the four materials on the cardboard and connected them to the paper clips with wires shown in the diagram below.



When Kim connected the ends of the circuit tester to the various paper clips shown in the diagram below, she obtained the following results.



Paper clips connected	Did the buib light up?
C and E	No
A and F	Yes
D and B	Yes

Based on the results of the experiment, what can Kim observe and conclude?

	When connected to paper clips A and B, did the bulb light up?	Conductor of electricity	Insulator of electricity
(1)	No	M1	M2, M3, M4
(2)	No	M1, M2, M4	M3
(3)	Yes	M1, M2	M3, M4
(4)	Yes	M2, M3, M4	MI

End of Booklet A



AI TONG SCHOOL

2020 END-OF-YEAR EXAMINATION PRIMARY FIVE SCIENCE

(BOOKLET B)

29 OCTOBER 2020

Total time for booklets A and B: 1 h 45 min

INSTRUCTIONS

Do not turn over this page until you are told to do so.

Follow all instructions carefully.

Answer all questions.

Write your answers in this booklet.

Name		_{ }
Class	: Primary 5	
Paren	t's Signature : _	 The second s

Section B: 44 marks Read the questions carefully and write down your answers in the spaces provided.

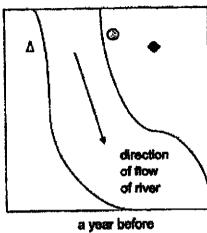
29. The diagram below shows the parts of a flower.

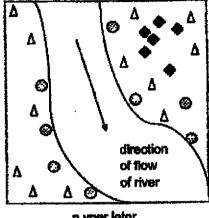


	Bees were noticed landing on parts, P and R. Explain how the bees help to pollinate the flower.		
	State a difference between animal-politinated and wind-political	illinated flowers.	3
		· · · · · · · · · · · · · · · · · · ·	
			•
. ••			
	The sentences describe how sexual reproduction in plant numbers in the boxes to sequence them correctly.	e lekes place. Write	
		s takas place. Write Step number	
	numbers in the boxes to sequence them correctly.		
	numbers in the boxes to sequence them correctly.		
	Sentence Pollen grains are transferred to the stigme.		

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30. Rohan observed the dispersal of the fruits and seeds of plants X, Y and Z over a year in an area of a forest. His observations are shown in the diagram below.

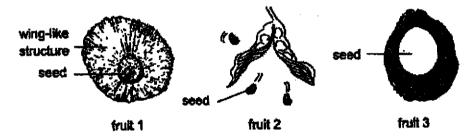




Key:
△ plant X
⑤ plant Y
◆ plant Z
river

ear before a year later

He picked up samples of the fruits of plents X, Y and Z as shown in the diagram below.



(a) Match the correct fruits, 1, 2 and 3, to the respective plants, X, Y and Z in the table below. [1]

Plant	Fruit
×	
Y	
Z	

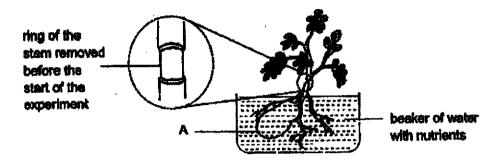
Question 30 continues on the next page.

Our	stlon	30.	con	6hu	
440	own	-	wwn	w	

(b)	Explain how a characteristic of Fr.	Jit 3 helps in its dispersal.	
Rohr	an observed the finite of another nic	ant A. He made the following conclusion.	
	Fruits of plant	Dispersed by Splitting	
(c)		thod of plant A.affect the thickness of the	
			_
			_
The d	liagram below shows four parts of a	a flowering plant.	
(e)	direction which water is transports		
	roots	leaves	
•	Rowers	stern	
dan be	continues on the next page		
JUN 3 1	COMMINS OU OU USE DEGE		

Question 31 continues.

31. Sadie cut the stern to remove a set of transport tubes from a plant as shown in the diagram below. The set-up was then placed by the window.



Over a week, Sadie observed that number of leaves that are green and healthy remained the same. However, she measured the thickness of part A and noticed that the thickness of A decreased.

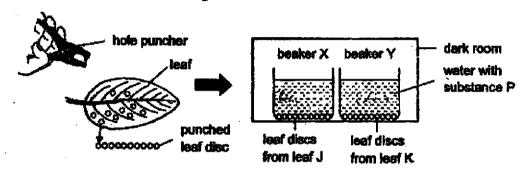
(b)	Name one substance that is stored in part A.	[1]
(c)	Based on Sadie's observations, which tubes, food or water-carrying, were removed? Explain your answer.	[2]

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32. Joe took two similar leaves, J and K, from the same plant. Next, he removed air trapped in the leaves and immediately coated the leaf K with oil.

Leaf	Parts coated with oil
J	Not coated
K	Top and bottom surfaces

Joe punched 10 leaf discs each from leaf J and K and placed them in beakers, X and Y, filled with water and substance P. Substance P increases the amount of dissolved carbon disode in water. He placed each leaf's discs in a beaker and placed the beakers in a dark room as shown in the diagram below.



A few hours later, Joe moved the beakers to a brightly-lit room.

 	· · · · · · · · · · · · · · · · · · ·	

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33. Munah wanted to find out if the agos of people affect their heart rate at rest. She recorded the heart rate of four people as shown in the table below.

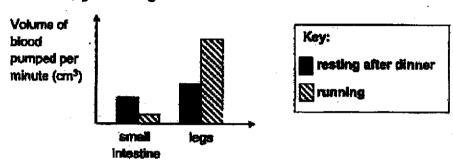
Name	Age	Number of heart bests per minute
Alison	3	100
Ben	8	90
Caine	20	80
Eiroy	60	75

(a)	Munah en their heart	sured that all four peopl rate. Why is it importan	e had rested for half an hour belo it for her to do so?	
(b)	Munah's to Explain wi		had to repeat her experiment a i	lew more time
	e (an aroun) re and after		s. The data table below shows h	is heart rate
			Highest heart rate	is heart rate
		the run.	Highest heart rate	is heart rate
	re and after	Resting heart rate	Highest heart rate	is heart rate

B-6

Question 33 continues.

The graph below shows the amount of blood pumped to the legs and small intestine of Ben while he was running and resting after dinner.



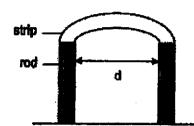
(d) Explain how running after a meal affects the absorption of food in the small intestine. [2]

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2

The d	legram below shows				
	O O per	ranged t	-×	(8)	
	animal cell A	plant cell (3	plant call C	
(a)	Cell A has a damag	ged cell membrane, E	eptain how th	is would affect	celi A.
(b)	The cell wall of B is preserice of substa	thickened with substance X will benefit B a	ance X but C tere than C.	is not. Sugges	it why the
AM36	nism D in a covered (organism D conducts ; transparent dish by th	e window. Th	iey were allowe	ed to move
orga free! few :	nism D in a covered i v. Next. she wrapped	organism D conducts ; transparent dish by th I the dish with alumini served that all organis	e window. Th um fail with th	iey were allowe iree holes cut (ed to move on the lid. /
orga free! few :	nism D in a covered I y. Next, she wrapped minules later, she obt	iransparent dish by th I the dish with alumini	e window. The sum fail with the sum D moved to the	ney were allowed to the areas with	ed to move on the lid. /
orga free! few :	nism D in a covered if y. Next, she wrapped minutes later, she observation foil. organism D	transparent dish by the the dish with alumini served that all organis	e window. The sum fail with the sum D moved is a lumink she foil	ney were allowed to the areas with	ed to move on the lid. A
orga freel few alum	nism D in a covered if y. Next, she wrapped minutes later, she observation foil. organism D	transparent dish by the lithe dish with aluminit served that all organise transparent covered dispersions.	e window. The sum fail with the sum D moved is a lumink she foil	ney were allowed to the areas with	ed to move on the lid. A
orga freel few alum	nism D in a covered if y. Next, she wrapped minutes later, she observation foil. organism D	transparent dish by the lithe dish with aluminit served that all organise transparent covered dispersions.	e window. The sum fail with the sum D moved is a lumink she foil	ney were allowed to the areas with t	ed to move on the lid. A

35. Alten set up the experiment shown below to test a property of four strips, P, Q, R and S, which are made of different materials. He neiled each end of the strip on two rods and moved the rods towards each other until the strip breaks.



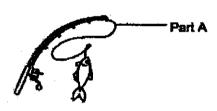
Strip	d (mm)
P	68
Q	47
R	2
Š	21

Alian recorded the distance, d, between the two rods when the strip breaks in the table shown above.

(a)	What is the pi	operty of the	strips that A	lfan is testing?
-----	----------------	---------------	---------------	------------------

[1]

The picture below shows a fishing rod.



(b) Which material, P, Q, R and S, is suitable for making Part A of the fish rod? Explain your choice.

[1]

Alfan's teacher commented that he had made a mistake in his experiment that caused it to be unfair.

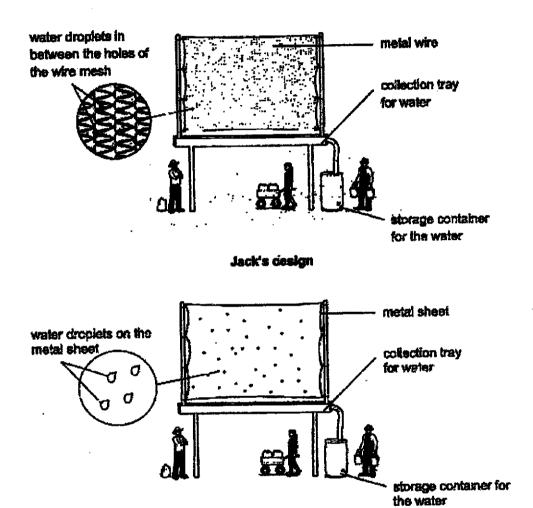
(c) Assuming that the two rods used to test strips, P, Q, R and S, were the same, give a reason why Alfan's experiment may not provide fair results. [1]

(Go on to the next page)

B-9

36. Mr Lee tasked his children, Lily and Jack, to design a set-up that could help villagers collect water. The diagram below shows the set-ups that Lily and Jack designed.

Lily's design



(a) Which part of the water cycle does the metal sheet in Jack's design represent? [1]

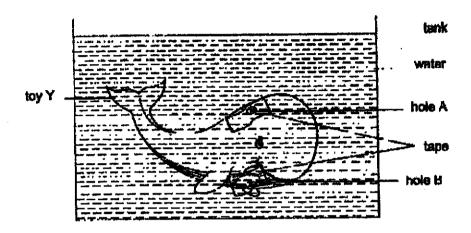
Question 36 continues on the next page.

B-10

Question 36 continues.

	said that Lily's design could help the villagers collect more water. ith him? Explain why.	Do you
sed on Lily	's set-up, the two children made the comments below.	
Lily:	There will be more water in the collection tray between 7am to than 2pm to 3pm.	Barn
Jack	There will be less water in the collection tray between 7em to 8 than 2pm to 3pm.	
Who do	you agree with? Explain why.	[1
araöh bek		
	ow shows the amount of water used by Mr Lee and Uncle Tan's f this Both have the same number of people in a household.	amily
r three mor ume of wa	the Both have the same number of people in a household.	amily
three more ume of wa) 15 + 12	the Both have the same number of people in a household.	-
r three mor ume of wa) 15 ‡	ths Both have the same number of people in a household. ter used Key:	family
three mor ume of wa 15 + 12 + 9 + 6 3	ter used Key: Uncle Tan's Month	family illy
three mor ume of wa 15 + 12 + 9 + 6 3	ter used Key: Uncle Tan's Mr Lee's family had done consistently to explain to a mount of water used between both families.	family illy
three mor ume of wa 15 + 12 + 9 + 6 3	ter used Key: Uncle Tan's April Mey June Month An activity that Mr Lee's family had done consistently to explain t	family illy

37. Ruixin placed tape at holes A and B of toy Y. Hole A was at the top of toy Y and hole B was at its bottom. Next, she placed toy Y into a tank of water shown in the diagram below.



When Ruixin removed only the tape at hole B, water entered toy Y.

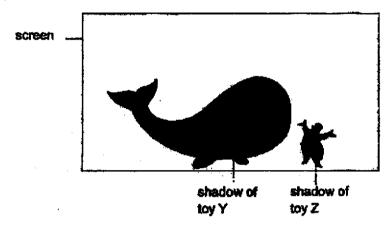
(a)	From Rulxin's action, what can be concluded about the property of water?					
	i, Ruixin observed that the water did not fill up toy Y completely. She decided to ove the tape at hole A too.					
(b)	What would happen to the water level in the tank once the tape at hole Λ is removed? Explain your answer.	[2]				

Question 37 continues on the next page.

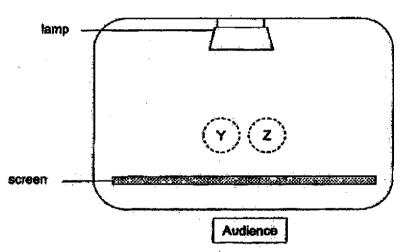
B-12

Question 37 continues.

Rubin then used toy Y to put a shadow performance with joy Z as shown in the diagram below. Both toys are of the same height.

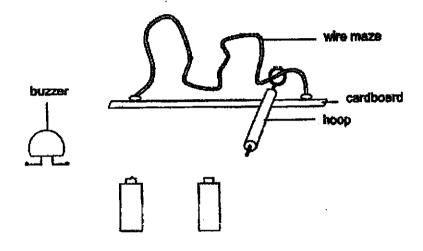


..Rubin planned har performance by drawing the layout below. Jane pointed out that her drawing is incorrect.



(c)	How should Ruixin change her drawing? Explain your answer.					Į1
		 				
		·				· <u> </u>
					(Go on to the	next page)
	;		12_12		,	

38. Jazriel wanted to design a maze game. To win the game, players of the game have to move the hoop through the wire maze without touching the wire. The players lose the game once the hoop touches the wire and the buzzer sounds.



(a) In the diagram above, draw wires to connect all the parts to show Jazriel's game design correctly. [1]

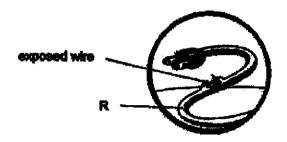
2

Jazrief decided to add a bulb and a switch to the electrical circuit of his maze game. The bulb would also light up once the player loses the game.

(b)	Will the game still work if the bulb is fused? Explain your answer.	[1]
		
(c)	What is an advantage of adding a switch?	[1]

(Go on to the next page)

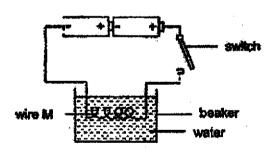
39. Aren noticed that the wire of an electrical appliance in his house was exposed as shown in the diagram below. His mother warned him not to touch the exposed wire.



(a) Based on the information above, fill in the blanks below with a property of each item.

	lien.	Property of the Item
	Wire	
M	interiol of part R	-

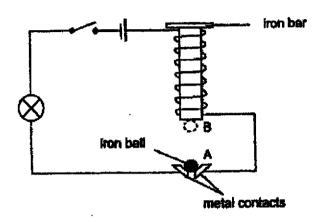
Aren set up an experiment as shown below. He added a coil of wire M in a beaker of water in his circuit. When he are electric current passes through it. When he plosed the switch, he noticed that the temperature of water increased.



(b) State a change that Aren can make to his set-up above to have a higher increase in the temperature of the water. [1]

(Go on to the next page)

40. Study the circuit shown below. When the switch was closed, Shanna observed that the iron ball moved up and down between points A and B repeatedly as the bulb went it and unlit.

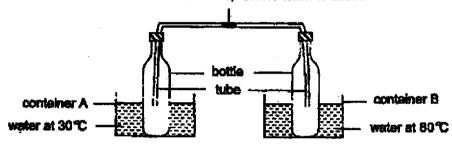


(a)	Explain how the iron ball moved from point A to B repeatedly	[1]
	nna wants to replace the iron ball with another object.	
	State two properties of the object which will allow the bulb to stay lit when the switch is closed.	[1
	•	

(Go on to the next page)

41. Hilds set up the experiment as shown below. She placed two similar empty bottles sealed with air-tight lids into two containers. Both bottles are connected to a tube containing an ink drop. Next, she poured the same amount of water with the temperature of 30 °C into container A and water with the temperature of 80 °C in container B.

Position of the ink drop before water is added

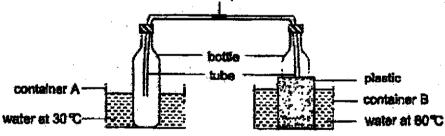


(a) Would the ink drop move towards container A or B? Explain your answer.

[1]

I filds repeated the experiment. She poured the same amount of water in both containers. However, in this set-up, she wrapped the bottle in container 2 with a layer of plastic.

Position of the ink drop before water is acided



(b) Would the link drop move feater or slower compared to the previous set-up? Explain your enswer.

[1]

End of paper

B-17

/2

SCHOOL :

AITONG PRIMARY SCHOOL

LEVEL

PRIMARY 5

SUBJECT :

SCIENCE

TERM

2020 SA2

SECTION A

					-00	07	Q8	Q9	Q10
Q1	Q2	Q3	Q4	Q5	Q6	Q7	UZO .	W2	410
4	4	3	3	4	2	2	1	4	4
Q11	Q12	Q13	Q14	Q15	Q16	Q17	Q18	Q19	Q20
4	4	2	2	4	2	4	4	1	4
Q21	Q22	Q23	Q24	Q25	Q26	Q27	Q28		
2	2	3	1	2	4	3	2	1	

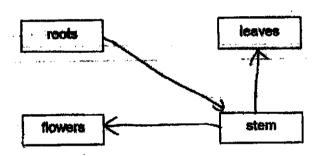
Nemo:	() Clas	s: 5 <u> </u>	Date:	_
Corre	tion for P5 Science EOY 2020- Sc	ellon B		•
29a	The bees that had landed on R	_will transfer	the pollen	
	grains to P which	re stuck	on their bodies.	
29b	Animel-politinated Sowers have a	smaller	number of polion gre	nins
	but wind-pollinated flowers have a	larger	number of pollen gra	uins.
290	Rankaga		Stop number	
	Poles grains are bandlessed to the sign			
•			2	
	The anther of a flower infenses police g	•	1	
•	The male and female reproductive calls		4	
	Pollen tribes grow down the style toward	is the overy.	3	
30a	Pleat Fru			
	<u> </u>			
	3			
	2			
30b	it has a fibrous hask	so ti	est it can stay affoat	, h
	on water		·	
30c	Young plant A has thinner	stem. Fruits	of plant A dispense by sp	Ming
	action, so its seeds are dispe	rsed close	to one another a	nd

the parent plant. So young plant A need to compete for sunlight

OR

Young plant A has <u>thicker</u> stem. Fruits of plant A dispersed by splitting action, so its seeds are scattered away from <u>parent</u> plants. So young plant A would not need to compete for <u>sunlight</u>.

31a



31b

Excess food / starch

food carrying tubes. She removed the 31c water is transported to the to make This shows that food through the water-carrying tubes so the leaves remained green and food made by the leaves is not transported to healthy. But the food . carrying as the tubes are removed. So A decreased in thickness.

32a	Beaker X. Leaf J does not have oil coated at the bottom of the leaf but both sides of Leaf K are coated with oil.					
	During photosynthesis, the leaves take in carbon dicadde and give out oxygen					
32Ь	The number of <u>leaf</u> discs in the water.					
33a	This is to ensure that the experiment is a fair test so that the results of the experiment are solely due to the difference in their ages and not due to other variables.					
33b	Munah should repeat her experiment to check for <u>consistency</u> in readings and to ensure <u>reliable</u> results.					
33c	During exercise, Caine needed <u>more</u> energy. itis heart needs to pump <u>more</u> blood to transport <u>more</u> exygen and <u>digested food</u> to the cells fasted to release more energy.					
33d	Volume of blood pumped to the small intestine should be less while running less digested food will be absorbed into the blood stream. and less digested food will be transported to the other parts of the body.					

	•
34a	Substances will be able to leave cell A <u>freely</u> .
34b	The cell wall provides MOTO support to the cell.
34c	Organism D can <u>photosynthesize</u> It moved towards the light.
35a	Flexibility
35b	Material
	So this proves that R is the most flexible and can allow part A to bend the most without breaking.
3 5c	He could have changed the thickness of each strip.
36a	cooler surrounding air

36b	Yes. The wire mesh in Lity's design has a greater exposed						
	surface area . This allows more Water						
	vapour in the surrounding air to lose						
	heat to the cooler <u>Wire mesh</u> and <u>condense</u> to form more <u>water droplets</u>						
36c	Lily. The wire mesh will be cooled at night causing the wire mesh to be cooler at 7am and 8am compared to 2pm to 3pm. There will be a higher rate ofcondensation						
38d	Any one of the activity:						
	Using a mug to contain water while brushing teeth.						
	Taking short showers.						
	Reusing water (in various ways)						
	Half flushing						
	wash full load of clothes						

37a Water does not have a definite shape

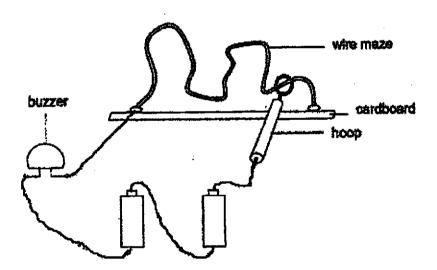
The water level will ______decrease_____.

37b

Air in toy Y will ______ from hole A, causing water to ______ occupy _____ the space previously occupied by ______ air _____.

37c She should move the position of toy Z closer to the screen so that its shedow will be smaller than toy Y

38a



38b No. When the bulb fuse, there would be a <u>gap</u> in the circuit.

Electricity will not be able to <u>pass</u> through.

38c	He can open and close the circuit more easily.
39a	Wire: Electrical conductor Material of Part R: Electrical Insulator
39b	He can increase the number of batteries in the circuit.
4 0a	When the switch is closed, the iron bar will become an electromagnet and attract the iron ball to point B. Once attracted to point B, there is an open circuit, causing the iron ball to drop.
40 b	She can replace it with an object that can <u>conduct</u> electricity which is <u>non-magnetic</u>
4 1a	it will move towards AAir in the bottle of container B willgain heat from the hotter water andexpand, pushing the ink drop towards container A.
41b	It will move slower. Plastic is a poor conductor of heat. So it will slow down the heat transfer from the hotter water to the air in container B causing the sir to expand slower.