Red Swastika School
Primary 4 Science 2021
Revision Paper

40

Name: _____ ( ) **Date:** _____

Class: Pr. 4 _____

Section A: Multiple-Choice Questions (14 x 2 = 28 marks)

Choose the most suitable answer and write its number in the brackets provided.

1 Kenny kept a cockroach in an empty container. After a few weeks, he observed that the cockroach had died.



Which characteristic of living things does this show?

(1) Living things grow.
(2) Living things move.
(3) Living things reproduce.
(4) Living things need air, food and water to survive.

( )

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2. The table below describes the characteristics of animals in group P and Q.

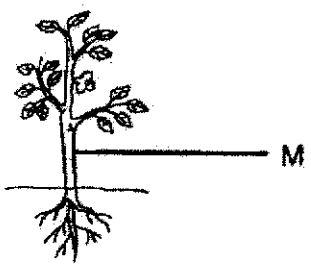
Characteristics	P	Q
Have feathers	✓	
Have three pairs of legs		✓
Have a beak as its mouth	✓	
Have three main body parts		✓

Which of the following best represents the headings of group P and group Q?

	P	Q
(1)	insects	reptiles
(2)	amphibians	birds
(3)	birds	insects
(4)	reptiles	amphibians

( )

3. The diagram below shows a plant.



The function of part M is to _____.

(1) support the plant

(2) make food for the plant

(3) hold the plant firmly to the ground

(4) absorb water and minerals for the plant

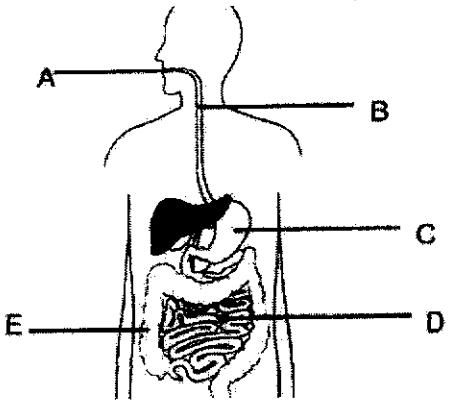
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4. The diagram below shows the human digestive system.



Which parts of the digestive system produce digestive juices?

(1) A and B only

(2) A, C and D only

(3) B, C and E only

(4) A, C, D and E only ( )

5. The sentences below describe how a seed grows into a seedling.

A : Green leaves appear
B : Shoot appears
C : Root appears
D : Flower appears

Which of the following is the correct sequence of growth of a seedling?

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

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6. Study the table below.

Characteristic	Animal A	Animal B
The adult has wings.	No	Yes
The adult lays many eggs.	Yes	Yes
It has 3 stages in its life cycle.	Yes	No

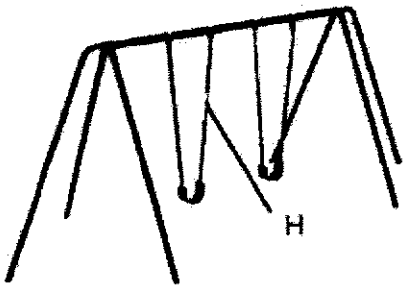
Which animals correctly represent animals A and B?

	Animal A	Animal B
(1)	frog	butterfly
(2)	grasshopper	butterfly
(3)	frog	cockroach
(4)	grasshopper	cockroach

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7. The diagram below shows a swing at a playground.



Which of the following describes the most important property in choosing the material to make part H?

(1) H must be shiny.

(2) H must be strong.

(3) H must be able to float on water.

(4) H must allow light to pass through. ( )

8. The table below describes three different states of matter, P, Q and R.

Property	P	Q	R
has a fixed shape	no	yes	no
has a fixed volume	no	yes	yes

Based on the information above, which one of the following is correct?

	P	Q	R
(1)	liquid	solid	gas
(2)	liquid	gas	solid
(3)	gas	liquid	solid
(4)	gas	solid	liquid

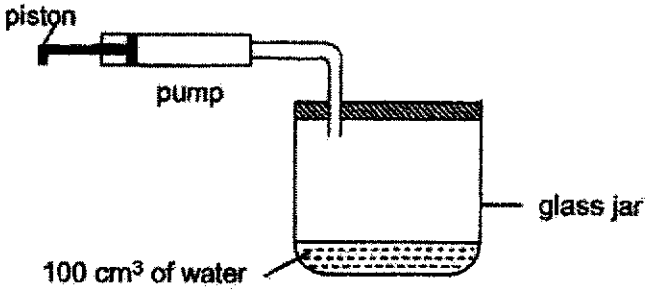
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9. Aminah had a glass jar with a capacity of 400 cm^3. She fitted a pump to the jar. When the piston is completely pushed in, 50 cm^3 of air is pumped into the jar.



What will be the volume of air in the glass jar when the piston is pushed in?

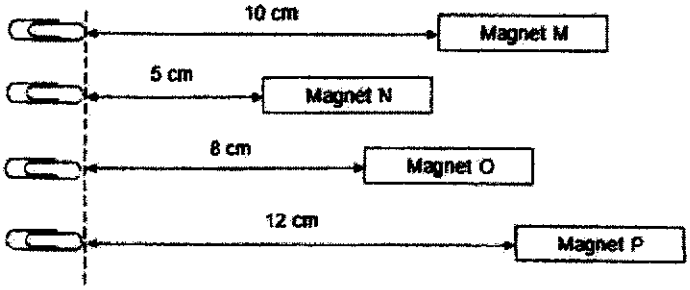
(1) 50 cm^3

(2) 300 cm^3

(3) 350 cm^3

(4) 450 cm^3 ( )

10. Devi wanted to test the magnetic strength of four different magnets, M, N, O and P. She measured the greatest distance at which they were able to attract a paper clip.



Based on the results above, which statement is correct about the magnetic strength of the magnets?

(1) Magnet N is weaker than Magnet O.

(2) Magnet M is as strong as Magnet P.

(3) Magnet O is stronger than Magnet M.

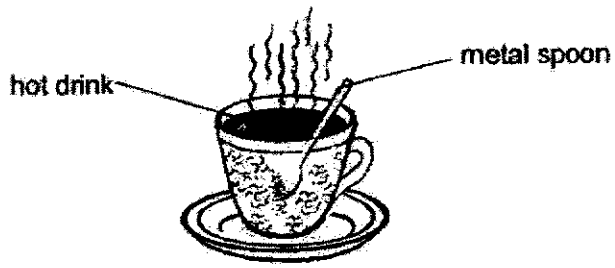
(4) Magnet P is the weakest magnet. ( )

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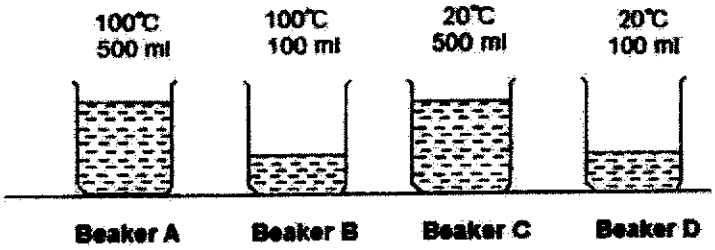
11. Rose places a metal spoon in a cup of hot drink.



The spoon becomes hotter after a while. Which one of the following explains this?

(1) The spoon loses heat to the hot drink.
(2) The cup gains heat from the hot drink.
(3) The spoon gains heat from the hot drink.
(4) The hot drink gains heat from the spoon. ( )

12. Sulaimah placed four empty identical beakers, A, B, C and D, on a table in the Science room. He poured water of different temperatures and volumes into the beakers shown below.



Which one of the following best represents the amount of heat in the water?

	Least heat → Most heat			
(1)	D	B	C	A
(2)	A	C	B	D
(3)	D	C	B	A
(4)	C	A	D	B

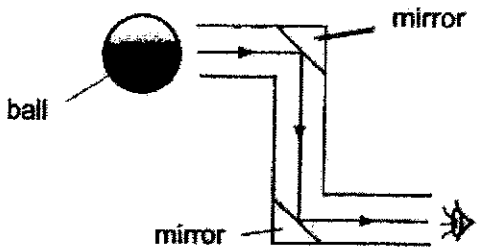
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13. The diagram below shows a periscope. A periscope is an instrument that uses mirrors to allow people to look at things from a different position.



Which of the following statements correctly describes why we can see the ball through a periscope?

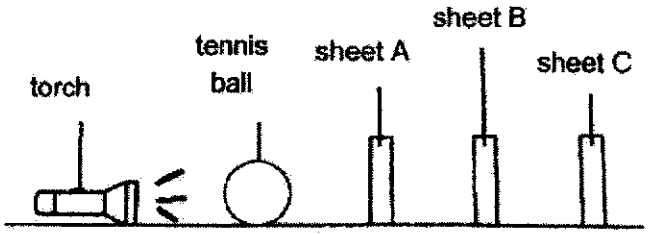
(1) The ball is a light source.

(2) The mirror can reflect light.

(3) The ball can form a shadow.

(4) Light does not travel in a straight line. ( )

14. Dillon had three sheets, A, B and C, made of different materials. He arranged the objects in a dark room as shown below.



When Dillon turned the torch on, he saw the shadow of the ball on sheet C only. Which of the following materials are A, B and C likely to be?

	Sheet A	Sheet B	Sheet C
(1)	aluminium foil	clear glass	cardboard
(2)	aluminium foil	clear plastic	clear glass
(3)	clear plastic	clear glass	cardboard
(4)	clear glass	aluminium foil	clear plastic

( )

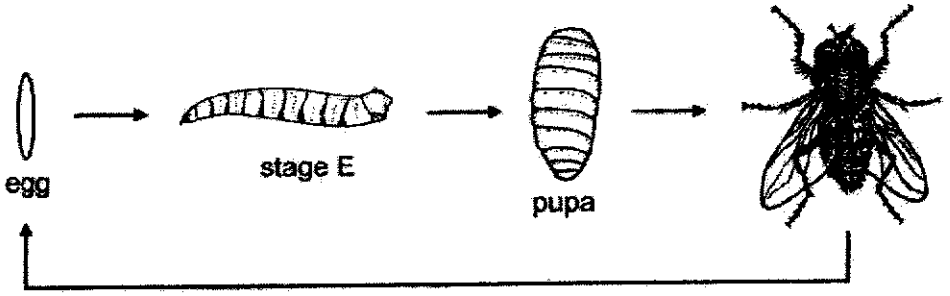
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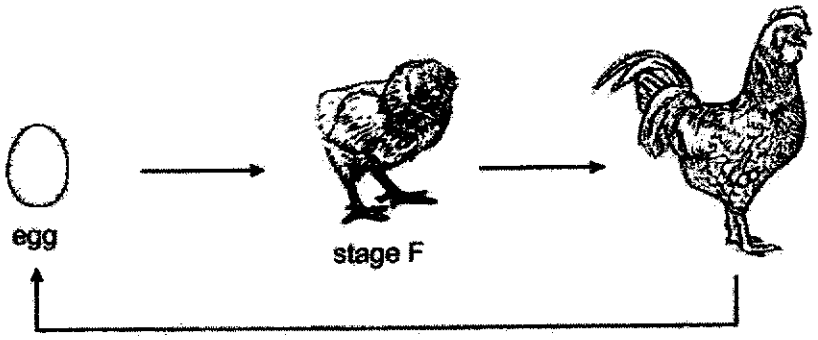
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Section B: Open-ended Questions (3 Questions: 12 marks)

15. The diagram below shows the life cycle of the housefly and chicken.



Life cycle of a housefly



Life cycle of a chicken

(a) Name Stage E and F. (2m)

Stage E: _____

Stage F: _____

(b) State one similarity and one difference between the life cycle of the housefly and chicken. (2m)

Similarity : _____

_____

Difference : _____

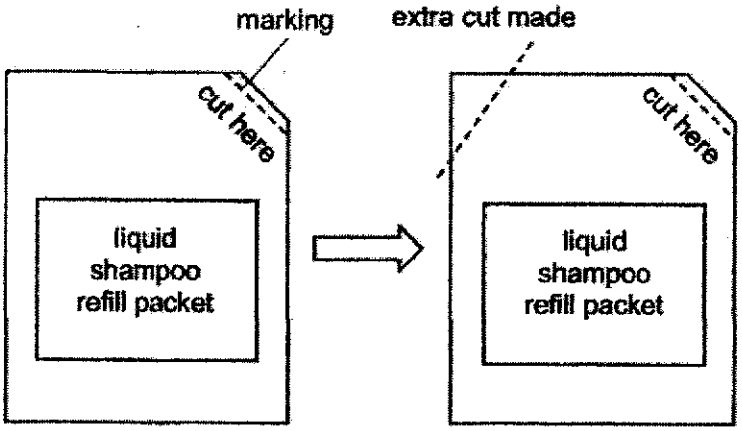
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16. The diagram below shows a liquid shampoo refill packet bought by Caleb. A marking is indicated on the packet for users to cut as shown.



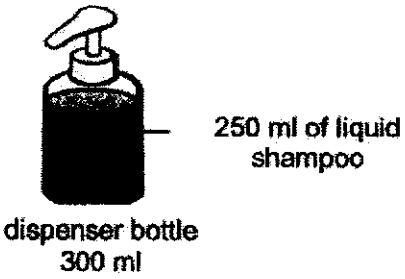
(a) Caleb cut along the indicated marking but wanted to pour the liquid shampoo out faster. He made an extra cut as shown in the diagram above.

Explain how the extra cut allowed the liquid shampoo to flow out faster. (2m)

_____

_____

(b) Caleb then poured out the liquid shampoo refill packet into the dispenser bottle as shown.



What two properties of liquids are shown above? (2m)

_____

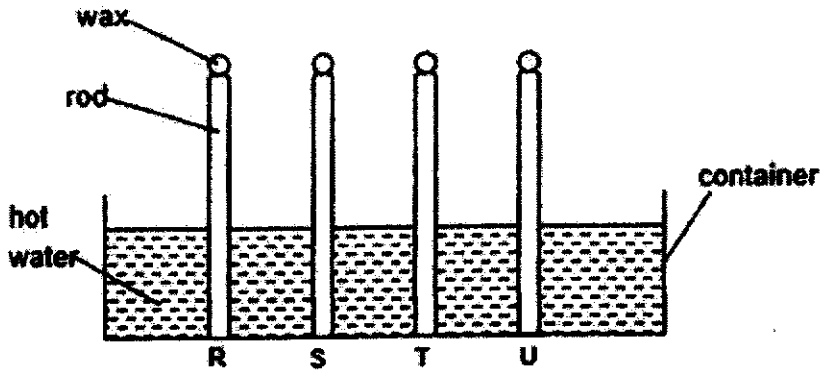
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17. Danny placed four rods made of different materials, R, S, T and U, into a container of hot water as shown below.



The rods had the same amount of wax on top of it. He recorded the time taken for each wax to melt completely on the rod in the table as shown below.

Material of rod	Time taken for the wax to melt completely (min)
R	10
S	2
T	15
U	8

(a) What was the aim of Danny's experiment? (1m)

_____

_____

(b) Name one variable that Danny needed to keep constant to ensure a fair test. (1m)

_____

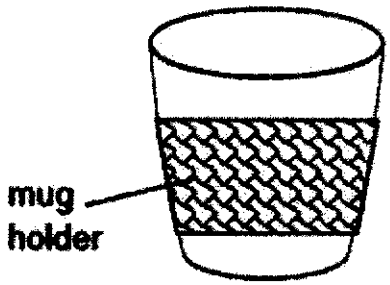
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Danny decided to make a mug holder so that his hands would not feel warm whenever he held his mug filled with hot drinks.



(c) From the experiment, suggest what would be the best material, R, S, T or U, he should use to make the mug holder. Explain your answer. (2m)

_____

_____

End of Paper
Please check your answers.

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SCHOOL : RED SWATIKA SCHOOL
LEVEL : PRIMARY 4
SUBJECT : SCIENCE
TERM : WA 3

SECTION A

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

SECTION B

Q15	a) Stage E: Larva Stage F: Young b) Similarity: Both life cycles have the egg stage in it. Difference: The life cycle of the housefly have four stages while the life cycle of the chicken have three stages.
Q16	a) Air will enter and occupy the space in the packet and push the shampoo out of the other hole. b) 1. Liquid have a definite volume 2. Liquid does not have a definite shape
Q17	a) Danny wanted to find out which material is the best conductor of heat b) The thickness of the rod must be kept constant to ensure a fair test. c) Material T. It is the poorest conductor as the wax takes the longest time to melt and the heat from the hot drinks will flow to the hands the slowest.

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