## ClassMarker

## Primary 4 Science (Term 4) - Catholic High (2020)

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## Test Introduction

+ Add Introduction

65 Questions (78 Points)

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Test Questions 0 Test Assignments
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## Question 1

For each question, four options are given. One of them is the correct answer. Make your choice (1, 2, 3 or 4) and choose your answer. (56 marks)

Aaron found a plant in the garden and measured its height. After two weeks, he measured its height again.


From his observation, Aaron concluded that the plant is a living thing because it can $\qquad$ $-$
A) grow
B) breathe
C) respond
D) reproduce

| Question Type: | Multiple Choice |
| :--- | :--- |
| Randomize Answers: | No |
| Date Added: | Tue 3rd Aug 2021 |
| Last Modified: | N/A |
| QID\#: | $28,602,453$ |

## Question 2

## Study the diagram below.



## What could Z be?

A) plant
B) insect
C) reptile
D) mammal

## Question Type:

Randomize Answers: N
Date Added: Tue 3rd Aug 2021
Last Modified:
QID\#:

Multiple Choice

N/A
28,602,476

## The diagram below shows a kitchen knife.



Metal is used to make the blade of the kitchen knife because metal
$\qquad$ -
A) can sink in water
B) cannot absorb water
C) does not break easily
D) does not allow light to pass through

| Question Type: | Multiple Choice |
| :--- | :--- |
| Randomize Answers: | No |
| Date Added: | Tue 3rd Aug 2021 |
| Last Modified: | N/A |
| QID\#: | $28,602,482$ |


Remove From Test

Question 4

Which part, (1), (2), (3) or (4), supports the plant?

A) 1
B) 2
$\checkmark$ C) 3
D) 4

## Question Type:

Multiple Choice
Randomize Answers: N
Date Added: Tue 3rd Aug 2021
Last Modified:
QID\#:
N/A
28,602,492

## $\star^{\star}$ Answers Edit 饮Duplicate $\uparrow$ Used In | $\hat{*}$ Reorder

Question 5

The arrows $(\longrightarrow)$ in the diagram below show the direction of movement of a substance in plants.


What is this substance?
A) air
B) food
C) water
D) sunlight

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Tue 3rd Aug 2021
Last Modified: N/A
QID\#:
28,602,509

## $*^{\star}$ Answers | Edit | E~Duplicate | 1 Used In | $\hat{*}$ Reorder

Remove From Test

## Question 6

Which two magnets will push each other away?
$\checkmark$ A)

B)

C)

D)


Question Type: Multiple Choice
Randomize Answers: No
Date Added: Tue 3rd Aug 2021
Last Modified: N/A
QID\#:
28,602,869


## Question 7

$A, B, C$ and $D$ are the various stages in the life cycle of a mosquito.


A


B


C


Which one of the following correctly shows the life cycle of a mosquito?
A)

B)


$\checkmark$ D)


Question Type:

## Multiple Choice

Randomize Answers: No
Date Added: Tue 3rd Aug 2021
Last Modified:
QID\#:
N/A
28,602,884

```
*^Answers | Edit | 组Duplicate | 4 Used In | \hat{* Reorder}
```

Question 8

The diagram below shows the life cycle of a plant.


What is the stage marked K ?
A) egg
B) seed
C) adult plant
D) young plant

| Question Type: | Multiple Choice |
| :--- | :--- |
| Randomize Answers: | No |
| Date Added: | Tue 3rd Aug 2021 |
| Last Modified: | N/A |
| QID\#: | $28,602,917$ |

$«^{\pi}$ Answers Edit Duplicate | 1 Used In | $\stackrel{\text { Reorder }}{ }$

Question 9

Which is not a source of heat?
A) the sun
B) a lighted bulb
C) a candle flame
(D) a thermometer

| Question Type: | Multiple Choice |
| :--- | :--- |
| Randomize Answers: | No |
| Date Added: | Tue 3rd Aug 2021 |
| Last Modified: | N/A |
| QID\#: | $28,602,948$ |

```
**Answers Edit & Duplicate| 4 Used In | * Reorder
```

Look at the diagram below.


Which one of the following correctly shows why Lynn can see the book on the table?

A)


| Question Type: | Multiple Choice |
| :--- | :--- |
| Randomize Answers: | No |
| Date Added: | Tue 3rd Aug 2021 |
| Last Modified: | N/A |
| QID\#: | $28,603,024$ |


#### Abstract

$«^{*}$ Answers Edit 约Duplicate| 1 Used In | $\widehat{\sim}$ Reorder


## Question 11

Which statement best describes a flowering plant?
A) It bears fruits.
B) It has big leaves.
C) It cannot make its own food.
D) It grows on other plants for support.

## Question Type:

Multiple Choice
Randomize Answers: No
Date Added: Tue 3rd Aug 2021
Last Modified: N/A
QID\#: $\quad 28,603,030$
$\square$
$\star^{\wedge}$ Answers | Edit | Duplicate | 4 Used In | 合 Reorder
Question 12

## Which statements about bacteria are correct?

## A Some bacteria are useful to us.

B Bacteria can be found everywhere.
C Bacteria can only be seen under a microscope.
A) A and B only
B) A and C only
C) B and C only
D) A, B and C

## Question Type:

Randomize Answers:
Date Added:
Last Modified:
QID\#:

## Multiple Choice

No
Tue 3rd Aug 2021
N/A
28,603,969

Study the two living things below.

mould

mushroom

How are the mould and mushroom similar?
A) They can make their own food.
B) They can be seen only under a microscope.
(C) They belong to the same group called fungi.
D) They do not need air, food and water to survive.

```
Question Type: Multiple Choice
Randomize Answers: No
Date Added: Tue 3rd Aug 2021
Last Modified: N/A
QID\#: 28,603,978
```

```
*`Answers E Edit | Eq Duplicate | \ Used In | ज Reorder
```

Question 14

Balvan tied four strings, W, X, Y and Z, made of different materials around a rod. Similar metal cubes were hung onto each string, one at a time, until the string snapped.


The table below shows the results of his investigation.

| String | Number of metal cubes added untill the string snapped |
| :---: | :---: |
| $W$ | 8 |
| $X$ | 5 |
| $Y$ | 3 |
| $Z$ | 10 |

Arrange the materials from the weakest to the strongest.
A)

| Weakest |  |  | Strongest |
| :--- | :--- | :--- | :--- |
| Y | W | X | Z |

B)

| Weakest |  |  | Strongest |
| :--- | :--- | :--- | :--- |
| Y | X | W | Z |

C) | Weakest |  |  | Strongest |
| :--- | :--- | :--- | :--- |
| $Z$ | $W$ | $X$ | $Y$ |

D) | Weakest |  |  | Strongest |
| :--- | :--- | :--- | :--- |
| $Z$ | X | W | Y |

Question Type:
Multiple Choice
Randomize Answers: No
Date Added: Tue 3rd Aug 2021
Last Modified:
N/A
QID\#:
28,604,121
$x^{\star}$ Answers

Kairavi hung four objects, A, B, C and D, on a stand as shown below.


Each object came to rest at different positions. She recorded her findings in the table below.


Based on her findings above, which object is likely to be a magnet?
A) A
B) $B$
C) C
D) D

| Question Type: | Multiple Choice |
| :--- | :--- |
| Randomize Answers: | No |
| Date Added: | Tue 3rd Aug 2021 |
| Last Modified: | N/A |
| QID\#: | $28,604,131$ |

In the set-up below, J, K, L and M, are four rings which pass through a smooth plastic rod. K is a magnat.


Which of the following is possible?
A)

| J | L | M |
| :--- | :--- | :--- |
| magnet | copper | steel |

B)

| J | L | $\mathbf{M}$ |
| :--- | :--- | :--- |
| magnet | magnet | magnet |

C)

| J | L | M |
| :--- | :--- | :--- |
| steel | magnet | copper |

D)

| J | L | M |
| :--- | :--- | :--- |
| copper | steel | magnet |


| Question Type: | Multiple Choice |
| :--- | :--- |
| Randomize Answers: | No |
| Date Added: | Tue 3rd Aug 2021 |
| Last Modified: | N/A |
| QID\#: | $28,604,155$ |

[^0]The ciagram below shows an electromagnet.


What could be done to the electromagnet in order for it to attract more paper clips?

A increase the number of batieries
B replace the iron rod with a copper rod
C increase the number of coils of wire around the iron rod
A) A and B only
B) A and C only
C) B and C only
D) A, B and C

Question Type:
Multiple Choice
Randomize Answers: No
Date Added: Tue 3rd Aug 2021
Last Modified: N/A
QID\#: $\quad 28,604,167$

## * Answers Edit Duplicate| 1 Used In | $\stackrel{\rightharpoonup}{\text { Reorder }}$

Question 18

The diagram below shows the different stages of the growth of a plant.


At which stage(s) can it make its own food?
A) J only
B) J and K only
C) M and N only
D) L, M and N only

## Question Type:

Randomize Answers: N
Date Added: Tue 3rd Aug 2021
Last Modified:
QID\#:

Multiple Choice

N/A
28,604,173

## $\kappa^{n}$ Answers | Edit | êduplicate | 1 Used In | 令Reorder

Remove From Test

## Question 19

Each letter in the diagram below represents a stage in the life cycle of a butterfly.


Which statement is correct if X represents the adult stage?
A) At stage $X$, it stops feeding but continues to develop.
B) At stage Z , it eats a lot and moults several times as it grows.
C) At stage $W$, it eats a lot and moults several times as it grows.
D) At stage Y , it stops feeding but does not continue to develop.

| Question Type: | Multiple Choice |
| :--- | :--- |
| Randomize Answers: | No |
| Date Added: | Tue 3rd Aug 2021 |
| Last Modified: | N/A |
| QID\#: | $28,604,191$ |

The table below shows the number of days animals R and S spend at each stage of its life cycle before developing into an adult.

|  | Number of days spent at each <br> stage of its life cycle |  |
| :---: | :---: | :---: |
| Stage of life cycle | animal R | animal S |
| egg | 4 | 6 |
| larva | 7 | 4 |
| pupa | 6 | 8 |

Based on the information above, which statement about animals R and S is correct?
A) Animal $S$ has a shorter life span than animal $R$.
B) Animal $S$ spends less days as a pupa than animal $R$.
C) Animals $R$ and $S$ have three stages in their life cycles.
(D) Animal R spends more days as a larva than animal S .

## Question Type: Multiple Choice

Randomize Answers: No
Date Added: Tue 3rd Aug 2021
Last Modified: N/A
QID\#: $\quad 28,604,327$

## 

Remove From Test

## Question 21

Gareth placed a metal container between a torch and a screen as shown below.

torch

container

screen

Which one of the following shows the shadow formed on the screen?
A)

B)

C)

D)


Question Type:
Multiple Choice
Randomize Answers: No
Date Added:
Tue 3rd Aug 2021

Last Modified:
N/A
QID\#:
28,604,348

Falza placed object $P$ in container $A$. Next, be inserted a tube made of black cardboard Into container A and looked through the tube to see if he could see object $P$,

He did the same for three other containers, B, C and D, using a different tube aach time as shown in the diagram below.

All the containers and tubes were made of a material that does not allow any light to pass through.


In which containers could Faiza see object P?
A) A and B only
B) A and D only
C) B and C only
D) C and D only

Question Type:
Randomize Answers: N
Date Added: Tue 3rd Aug 2021
Last Modified: N/A
QID\#: $\quad 28,604,356$
$«^{\pi}$ Answers Edit | E Duplicate | 1 Used In | 合 Reorder
Question 23

Harls used some wires to form three shapes for an experiment on shadows as shown below.


He conducted the experiment in a completely dark room using the following set-up. He hung the three shapes on a bar. The shapes were placed at different distances from the torch.


The shadow formed on the screen is as shown below.


Which of the following represents corractly shapes D, E and F respectively?
A)

| D | E | F |
| :--- | :--- | :--- |
| ring | triangle | cross |

B)

| D | E | F |
| :--- | :--- | :--- |
| triangle | cross | ring |

C)

D)

| D | E | F |
| :--- | :--- | :--- |
| cross | triangle | ring |

## Question 24

In a dark enclosed room, tour sheets, Q, R, S and T, were arranged in a straight ine as shown below. When the candle was lit, a bright circular patch of light was observed only on sheet $S$.


Based on the information above, which statements are correct?
A Sheets $R$ and $T$ allowed light to pass through it.
B Sheet $Q$ allowed more light to pass through than $T$.
C Sheats Q and S did not allow any light to pass through it.
D Sheet R allowed more light to pass through than sheet S.
A) A and B only
B) A and D only
C) B and C only
D) C and D only

| Question Type: | Multiple Choice |
| :--- | :--- |
| Randomize Answers: | No |
| Date Added: | Tue 3rd Aug 2021 |
| Last Modified: | N/A |
| QID\#: | $28,604,372$ |

$«^{\pi}$ Answers Edit $\underbrace{2}$ Duplicate | 1 Used In | 合 Reorder
Question 25
lan prepaned two beakers, J and K, with the same volume of water as shown below.


He poured the water from beaker J into beaker K without spilling it. What was the possible temperature of the watar in beaker K?
A) $20^{\circ} \mathrm{C}$
B) $40^{\circ} \mathrm{C}$
C) $60^{\circ} \mathrm{C}$
D) $80^{\circ} \mathrm{C}$

Question Type:
Randomize Answers:
Date Added:
Last Modified:
QID\#:

## Multiple Choice

No
Tue 3rd Aug 2021
N/A
28,604,380

## $\alpha^{x}$ Answers

Janal tied a welght to a string and hung it from a piece of metal wire as shown below.


When the metal wire was heated, what would most likely happen to the height $h$, distance between the weight and the ground?
A) It remained the same.
B) It increased as the string contracted.
C) It decreased as the string expanded.
(D) It decreased as the metal wire expanded.

## Question Type:

Multiple Choice
Randomize Answers: No
Date Added: Tue 3rd Aug 2021
Last Modified: N/A
QID\#:
28,604,388
$\mathbf{*}^{\wedge}$ Answers | Edit | Coplicate | $\mathbb{4}$ Used In | $\stackrel{\rightharpoonup}{\boldsymbol{*}}$ Reorder
Remove From Test

## Question 27

Karen conducted an experiment using the set-up shown below.


She placed a drop of wax on one end of the rod and heated the other end of the rod over a fire until the wax melted completely. She repeated the experiment using another rod of the same size but made of a different material. Her results are shown below.

| Material | Time taken for the wax to meit completely (s) |
| :---: | :---: |
| K | 26 |
| L | 280 |



Based on the results above, which materials is most suitable to make the handle and pan?

(A) | Handle | Pan |
| :--- | :--- |
| L | $K$ |

B)

| Handle | Pan |
| :--- | :--- |
| L | L |

C)

| Handle | Pan |
| :--- | :--- |
| K | K |

D)

| Handle | Pan |
| :--- | :--- |
| K | L |

Question Type:
Randomize Answers:
Date Added:
Last Modified: N/A
QID\#:
28,604,430

Lincoln conducted an experiment using a beaker of water to observe the changea in temperature. He measured the tomperature of the water at various times as shown below.


Which of the following describes the change taking place in the beaker during the experiment?

A) | A to B | Some water was removed from the beaker. |
| :--- | :--- |

B) | B to | Some ice cubes were added into the beaker. |
| :--- | :--- |

| C to D | The beaker of water was placed over the fire. |
| :--- | :--- |

D) | D to E | Tap water was added into the beaker. |
| :--- | :--- |

## Question Type: Multiple Choice

Randomize Answers: No
Date Added: Tue 3rd Aug 2021
Last Modified: N/A
QID\#: $\quad 28,604,491$

## $*^{\wedge}$ Answers | Edit | © Duplicate | 4 Used In | 合 Reorder

Zahira saw some living and non-living things on the beach.


State if $X$ and $Y$ are living or non-living things.


Match
living thing
non-living thing
Points: +1-0

Question Type: Matching
Shuffle Mode: Shuffle Matches Only
Date Added: Tue 3rd Aug 2021
Last Modified: N/A
QID\#: 28,604,502
$*^{\wedge}$ Answers | Edit | \& Duplicate | 1 Used In | $\stackrel{\rightharpoonup}{\text { R Reorder }}$
Remove From Test

Question 30

Match the functions to the organ systems.
Clue
Match

Breaks down food into simpler substances
None
Points: +1 - 0
takes air into and out of the body
Respiratory System
Points: + 0.5 - 0
transports digested food, water and oxygen
Circulatory System to all parts of the body.
Points: + 0.5 - 0

Question Type: Matching
Shuffle Mode: Shuffle Matches Only

| Date Added: | Tue 3rd Aug 2021 |
| :--- | :--- |
| Last Modified: | N/A |
| QID\#: | $28,604,526$ |

$\leqslant^{\wedge}$ Answers | Edit | 约Duplicate | 4 Used In | 合 Reorder
Remove From Test
Question 31

Classify the following animals according to the number of stages in their life cycle.

beetle

chicken

cockroach

frog

Clue

Beetle
Points: $+0.5-0$

Chicken
Points: $+0.5-0$

Cockroach
Points: + 0.5 - 0

Frog
Points: + 0.5 - 0

Question Type: Matching
Shuffle Mode: Shuffle Matches Only
Date Added: Tue 3rd Aug 2021
Last Modified:
QID\#:
N/A
28,604,539
${ }^{*}$ Answers

Three Stages
Match

Four Stages

Three Stages

Three Stages
filee viages
$\square$

## Two magnets are placed together as shown below.



The north pole of magnet 1 is labelled $\mathbf{N}$.

Name the pole labelled C on magnet 2.

C: $\qquad$

## Accepted answers:

South Pole

| Question Type: | Free Text |
| :--- | :--- |
| Date Added: | Tue 3rd Aug 2021 |
| Last Modified: | N/A |
| QID\#: | $28,604,550$ |

## $\boldsymbol{k}^{\boldsymbol{x}}$ Answers | Edit | E Duplicate | 1 Used In | 合 Reorder

Remove From Test

Question 33

Rosa stroked two similar iron rods, $X$ and $Y$, with the same magnet as shown below.

$\operatorname{rod} X$

rod $Y$

Both rods became magnets and were used to attract similar pins.

Choose the correct answer below.

Rod X attracted $\qquad$ rod Y .
$\checkmark$ A) less pins than
B) the same number of pins as
C) more pins than

QID\#:

Study the pictures below. Choose the sources of light.
A)

B)

C)

(D)


## Question Type:

Randomize Answers:
Grade style:
Date Added: tiple Response Full points if all answers are correct

Last Modified:
Tue 3rd Aug 2021

QID\#: 28,604,583

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* Answers | Edit | EDDuplicate | 4 Used In | 㧱 Reorder
```


## Question 35

Mr Li was driving his car along a rosd at night with no street lamps. He oould still make his way down the road using the reflective stripe as shown in the diagram below. The rellective strips helped Mr LI to see in the dark from a distance.


Explain how Mr LI was able to see the rellective strips when he turned on his car's headiights.

This question is designed for extended answers that parent/ teacher will have to assign and guide child to attempt after the test has been completed.

Grading: This question type is not graded on this system and will not affect the final score as it was designed in such a way that it requires manual assistance.

Question Type: Essay
Date Added: Tue 3rd Aug 2021
Last Modified: N/A
QID\#: 28,604,594

Correctly answered feedback
The light from Mr Li's car head lights reflected off the reflective strip and into Mr Li's eyes.

## Incorrectly answered feedback

The light from Mr Li's car head lights reflected off the reflective strip and into Mr Li's eyes.

```
\(\boldsymbol{*}^{\star}\) Answers | Edit | EDDuplicate | \(\mathbb{1}\) Used In | \(\stackrel{\rightharpoonup}{\text { Reorder }}\)
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Remove From Test

Question 36

Nathan conducted an experiment to compare the amount of water absorbed by different materials. He placed three different materials, $X, Y$ and $Z$, of the same slze and mass into three similar containers with the same amount of water.


Affer a day, he took out the material from the container, wiped it dry and weighed each of them. The results are as shown below.

| Material | Mass (g) |  |
| :---: | :---: | :---: |
|  | At the start | After one day |
| $X$ | 20 | 39 |
| $Y$ | 20 | 20 |
| $Z$ | 20 | 45 |

Complete the table below with $\mathrm{X}, \mathrm{Y}$ and Z .

|  | none | amount of water absorbed | most |
| :--- | :--- | :--- | :--- |
| Material |  |  |  |

Accepted answers:
$\checkmark$ Y, X, Z
$\checkmark Y X Z$
$y, x, z$

Question Type: Free Text
$\begin{array}{ll}\text { Date Added: } & \text { Tue 3rd Aug } 2021 \\ \text { Last Modified: } & \text { N/A }\end{array}$
QID\#: 28,604,619

Remove From Test

Question 37

Nathan conducted an experiment to compare the amount of water absorbed by different materials. He placed three different materials, $X, Y$ and $Z$, of the same slze and mass into three similar containers with the same amount of water.


Afier a day, he took out the material from the container, wiped it dry and weighed each of them. The results are as shown below.

| Material | Mass (g) |  |
| :---: | :---: | :---: |
|  | At the start | After one day |
| $X$ | 20 | 39 |
| $Y$ | 20 | 20 |
| $Z$ | 20 | 45 |

The diagram below shows 日 surgical mask. It has a waterproof layer that can protect people against germs passed through droplets of saliva.


Which material is most suitable to make the waterproof layer of the surgical mask? Give a reason. (2 marks)

## Accepted answers:

$\checkmark$ Material Y
$\checkmark$ Y

Question Type: Free Text
Date Added: Tue 3rd Aug 2021
Last Modified: N/A
QID\#: 28,604,647

Correctly answered feedback
Material Y as material Y did not absorb any water after a day.

Incorrectly answered feedback
Material Y as material Y did not absorb any water after a day.
$x^{\star}$ Answers

## Question 38

The diagram below shows a surgical mask. It has a waterproof layer that can protect people against germs passed through droplets of saliva.


Choose the property(s) of the material that will make part M comfortable for the wearer.
(A) Flexibility
B) Allows most light to pass through
C) Ability to float

| Question Type: | Multiple Choice |
| :--- | :--- |
| Randomize Answers: | No |
| Date Added: | Tue 3rd Aug 2021 |
| Last Modified: | N/A |
| QID\#: | $28,604,660$ |



Question 39

Khalid made a loy using a bar magnet tied to a stick. He moved the bar magnet over geveral objects as shown below.




Khalid made some observations about the materials and recorded them in the diagram below.


Based on the observations above, give a suitable heading for groups M and N in (i) and classify all the given objects into the diagram in (ii) below.


This question is designed for extended answers that parent/ teacher will have to assign and guide child to attempt after the test has been completed.

Grading: This question type is not graded on this system and will not affect the final score as it was designed in such a way that it requires manual assistance.
Question Type: Essay
Date Added: Tue 3rd Aug 2021

Last Modified: N/A
QID\#: 28,604,686

Correctly answered feedback


Incorrectly answered feedback

Objects

## i) Group N:

Non magnetic material Material
i) Group M:


Khalid had some knives being held by a bar that was fixeed to the wall in the kitchen as shown below.


Explain why the knives would not fall off the wall.

This question is designed for extended answers that parent/ teacher will have to assign and guide child to attempt after the test has been completed.

Grading: This question type is not graded on this system and will not affect the final score as it was designed in such a way that it requires manual assistance.

Question Type: Essay
Date Added: Tue 3rd Aug 2021
Last Modified: N/A
QID\#: $\quad 28,604,698$

Correctly answered feedback
As the bar is a magnet and steel is a magnetic material so the steel blade will be attracted to the bar.

Incorrectly answered feedback
As the bar is a magnet and steel is a magnetic material so the steel blade will be attracted to the bar.

## $\boldsymbol{«}^{\star}$ Answers | Edit | Con Duplicate | 4 Used In | $\stackrel{\text { Reorder }}{ }$

Remove From Test

## Question 41

 Primary 4 Science » Primary 4 Science (Term 4)Jie Ying conducted an axperiment to find out how the presence of water affects the growth of the mould as shown.


Variable: Size of bread
A) Variable changed
B) Variable kept the same
C) Variable measured

Question Type:
Randomize Answers: No
Date Added: Tue 3rd Aug 2021

Last Modified: N/A
QID\#:
28,604,728

## $«^{\pi}$ Answers | Edit | 局Duplicate | 1 Used In | 合 Reorder

Remove From Test

## Question 42

Jie Ying conducted an axperiment to find out how the presence of water affects the growth of the mould as shown.


Variable: Amount of water
A) Variable changed
B) Variable kept the same
C) Variable measured

## Question Type:

Randomize Answers:
Date Added: Tue 3rd Aug 2021
Last Modified: N/A
QID\#:
28,604,733

## $\mathbf{k}^{\star}$ Answers | Edit | Equplicate | 4 Used $\ln \mid \stackrel{\rightharpoonup}{\boldsymbol{*}}$ Reorder

## Question 43

Jie Ying conducted an axperiment to find out how the presence of water affects the growth of the mould as shown.


[^1]A) Variable changed
B) Variable kept the same
C) Variable measured

Question Type:
Randomize Answers:
Date Added:
Last Modified:
QID\#:

Multiple Choice
No
Tue 3rd Aug 2021
N/A
28,604,739

## $\mathbf{«}^{\star}$ Answers | Edit | Duplicate | $\uparrow$ Used In |

## Question 44

Jie Ying conducted an axperiment to find out how the presence of water affects the growth of the mould as shown.


Variable: Size of plastic bag
A) Variable changed
B) Variable kept the same
C) Variable measured

Question Type:
Randomize Answers:
Date Added:
Last Modified:
QID\#:

## Question 45

Jie Ying conducted an axperiment to find out how the presence of water affects the growth of the mould as shown.


Which bread would have mould growing on it first? Give a reason. (1 mark)

This question is designed for extended answers that parent/ teacher will have to assign and guide child to attempt after the test has been completed.

Grading: This question type is not graded on this system and will not affect the final score as it was designed in such a way that it requires manual assistance.

Question Type: Essay
Date Added: Tue 3rd Aug 2021
Last Modified:
N/A
QID\#: 28,604,751

Correctly answered feedback
The bread with moist as mould needs moist to grow.

Incorrectly answered feedback
The bread with moist as mould needs moist to grow.


Question 46

Jle Ying conducted an experiment to find out how the presence of water affects the growth of the mould as shown.


Besides air and water, state one other condition bread mould needs in order to grow.

## Accepted answers:

Warmth

| Question Type: | Free Text |
| :--- | :--- |
| Date Added: | Tue 3rd Aug 2021 |
| Last Modified: | N/A |
| QID\#: | $28,604,805$ |

$*^{\pi}$ Answers | Edit | R Duplicate | 1 Used $\ln \mid \stackrel{\text { Reorder }}{\text { Remove From Test }}$

Question 47

The diagram below shows the amount of digested and undigested food found in different parts of the digestive system as food passes through them.


Name the part represented by P.

## Accepted answers:

Mouth

Question Type: Free Text
Date Added: Tue 3rd Aug 2021
Last Modified: N/A
QID\#: 28,604,814

## $«^{\star}$ Answers | Edit | EDuplicate | 4 Used In | 合 Reorder

Remove From Test

## Question 48

The diagram below shows the amount of clgested and undigested food found in different parts of the digestive system as food passes through them.


Name the part represented by Q .

Accepted answers:
Stomach

The diagram below shows the amount of clgested and undigested food found in different parts of the digestive system as food passes through them．


Name the part represented by R．

Accepted answers：
small intestine

Question Type：Free Text
Date Added：Tue 3rd Aug 2021
Last Modified：N／A
QID\＃：$\quad 28,604,824$
$\star^{\star}$ Answers｜Edit｜细Duplicate｜ 4 Used In｜令 Reorder

Question 50
Primary 4 Science » Primary 4 Science（Term 4）
0.5 pts

The diagram below shows the amount of digested and undigested food found in different parts of the digestive system as food passes through them．


Name the part represented by S

## Accepted answers：

Large intestine

Question Type: Free Text
Date Added: Tue 3rd Aug 2021
Last Modified: N/A
QID\#: 28,604,827

## $\mathbf{k}^{\star}$ Answers | Edit | © Duplicate | $\boldsymbol{4}$ Used In | \& Reorder

Remove From Test
Question 51

The diagram below shows the amount of digested and undigested food found in different parts of the digestive system as food passes through them.


In which part $P, Q, R$ or $S$ of the digestive system is food being cut into smaller pieces? (1 mark)

## Accepted answers:

$\checkmark$ P
$\checkmark$ Part $P$

Question Type: Free Text
Date Added: Tue 3rd Aug 2021
Last Modified: N/A
QID\#: 28,604,833

Remove From Test

## Question 52

The diagram below shows the amount of digested and undigested food found in different parts of the digestive system as food passes through them.


What happens to the digested food in part R? (1 mark)
This question is designed for extended answers that parent/ teacher will have to assign and guide child to attempt after the test has been completed.

Grading: This question type is not graded on this system and will not affect the final score as it was designed in such a way that it requires manual assistance.

| Question Type: | Essay |
| :--- | :--- |
| Date Added: | Tue 3rd Aug 2021 |
| Last Modified: | N/A |
| QID\#: | $28,604,869$ |

## Correctly answered feedback

It would be absorb into the blood stream and transported to other parts of the body.

Incorrectly answered feedback
It would be absorb into the blood stream and transported to other parts of the body.

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**Answers | Edit & Duplicate| 4 Used In | है Reorder

The diagram below shows a beetie laying eggs.


Why does the beetle lay its eggs on the leaf? (1 mark)
This question is designed for extended answers that parent/ teacher will have to assign and guide child to attempt after the test has been completed.

Grading: This question type is not graded on this system and will not affect the final score as it was designed in such a way that it requires manual assistance.
\begin{tabular}{ll} 
Question Type: & Essay \\
Date Added: & Tue 3rd Aug 2021 \\
Last Modified: & N/A \\
QID\#: & \(28,604,876\)
\end{tabular}

Correctly answered feedback
So when the eggs hatch, they will have food to eat.

Incorrectly answered feedback
So when the eggs hatch, they will have food to eat.

\section*{\(\kappa^{\star}\) Answers | Edit | EDuplicate | 4 Used In | 合 Reorder \\ Remove From Test}

Question 54

The diagram below shows a beetie laying eggs.


How does laying many eggs each time helps the beetles in their survival? (1 mark)
This question is designed for extended answers that parent/ teacher will have to assign and guide child to attempt after the test has been completed.

Grading: This question type is not graded on this system and will not affect the final score as it was designed in such a way that it requires manual assistance.
\begin{tabular}{ll} 
Question Type: & Essay \\
Date Added: & Tue 3rd Aug 2021 \\
Last Modified: & N/A \\
QID\#: & \(28,604,882\)
\end{tabular}

Correctly answered feedback
The eggs hatch into young and grown into adults.

Incorrectly answered feedback
The eggs hatch into young and grown into adults.


\section*{The diagram below shows a beetle laying eggs.}


Why is it more difficult to catch the adult beetle as compared to the larva? (1 mark)
This question is designed for extended answers that parent/ teacher will have to assign and guide child to attempt after the test has been completed.

Grading: This question type is not graded on this system and will not affect the final score as it was designed in such a way that it requires manual assistance.
\begin{tabular}{ll} 
Question Type: & Essay \\
Date Added: & Tue 3rd Aug 2021 \\
Last Modified: & N/A \\
QID\#: & \(28,604,896\)
\end{tabular}

Correctly answered feedback
As the adult has wings to fly but the larva does not have wings to fly.

\section*{Incorrectly answered feedback}

As the adult has wings to fly but the larva does not have wings to fly.

\section*{}

Remove From Test

\section*{Question 56}

The diagram below shows a beetie laying eggs.


Why is it important for living things to reproduce? (1 mark)
This question is designed for extended answers that parent/ teacher will have to assign and guide child to attempt after the test has been completed.

Grading: This question type is not graded on this system and will not affect the final score as it was designed in such a way that it requires manual assistance.
\begin{tabular}{ll} 
Question Type: & Essay \\
Date Added: & Tue 3rd Aug 2021 \\
Last Modified: & N/A \\
QID\#: & \(28,604,906\)
\end{tabular}

Correctly answered feedback
It is to ensure the continuous of their kind.

Incorrectly answered feedback
It is to ensure the continuous of their kind.
\(«^{*}\) Answers
\& Edit ©Duplicate 1 Used In | \(\hat{\sim}\) Reorder
Remove From Test

Question 57

In the set-up below, an object is placed at the centre with six light bulbs, \(A\),
\(B, C, D, E\) and \(F\) around it.


Which light bulbs are switched on to form the shadows shown above? (1 mark)

\section*{Accepted answers:}
\(\checkmark B, F\)
\(\checkmark \mathrm{b}, \mathrm{f}\)
\(\checkmark\) Light bulbs B and F
\(\checkmark B\) and \(F\)

Question Type: Free Text
Date Added: Tue 3rd Aug 2021
Last Modified:
QID\#:
```

$\mathbf{*}^{\wedge}$ Answers | Edit © Duplicate 1 Used In | $\stackrel{\rightharpoonup}{\text { Reorder }}$

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In the set-up below, an object is placed at the centre with six light bulbs, \(A\), \(B, C, D, E\) and \(F\) around it.


What property of the object enables it to form a shadow? (1 mark)
This question is designed for extended answers that parent/ teacher will have to assign and guide child to attempt after the test has been completed.

Grading: This question type is not graded on this system and will not affect the final score as it was designed in such a way that it requires manual assistance.

Question Type: Essay
\begin{tabular}{ll} 
Date Added: & Tue 3rd Aug 2021 \\
Last Modified: & N/A
\end{tabular}

QID\#: 28,604,926

Correctly answered feedback
It must be opaque.

Incorrectly answered feedback
It must be opaque.

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Remove From Test
$k^{\star}$ Answers

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Question 59

In the set-up below, an object is placed at the centre with six light bulbs, \(A\), \(B, C, D, E\) and \(F\) around it.


How is a shadow formed? (1 mark)
This question is designed for extended answers that parent/ teacher will have to assign and guide child to attempt after the test has been completed.

Grading: This question type is not graded on this system and will not affect the final score as it was designed in such a way that it requires manual assistance.

Question Type: Essay
\(\begin{array}{ll}\text { Date Added: } & \text { Tue 3rd Aug } 2021 \\ \text { Last Modified: } & \text { N/A }\end{array}\)
QID\#:
28,604,937

Correctly answered feedback
It is formed when light is blocked by an object.

Incorrectly answered feedback
It is formed when light is blocked by an object.


Question 60

In the set-up below, an object is placed at the centre with six light bulbs, \(A\), \(B, C, D, E\) and \(F\) around it.


State the property of light that allows shadows to be formed. (1 mark)

This question is designed for extended answers that parent/ teacher will have to assign and guide child to attempt after the test has been completed.

Grading: This question type is not graded on this system and will not affect the final score as it was designed in such a way that it requires manual assistance.
\begin{tabular}{ll} 
Question Type: & Essay \\
Date Added: & Tue 3rd Aug 2021 \\
Last Modified: & N/A \\
QID\#: & \(28,604,949\)
\end{tabular}

Correctly answered feedback
Light travels in a straight line.

Incorrectly answered feedback
Light travels in a straight line.

\section*{\(k^{7}\) Answers \\ Edit Ef Duplicate \\ 4 Used In | 合 Reorder}

Remove From Test

Question 61

Jasim conducted an experiment using three identical glasses wrapped in different materials，\(X, Y\) and \(Z\) ，as shown below．He poured the same amount of water at \(80^{\circ} \mathrm{C}\) into each glass and measured the temperature of the water after ten minutes．


His resuits are shown below．
\begin{tabular}{|c|c|}
\hline Material & Temperature of water after 10 minutes \(\left({ }^{\circ} \mathrm{C}\right)\) \\
\hline X & 55 \\
\hline Y & 35 \\
\hline Z & 70 \\
\hline
\end{tabular}

Based on the results above，which material，X，Y or Z would Jasmin choose to wrap an ice stick to prevent it from melting quickly？Explain why．（2 marks）

This question is designed for extended answers that parent／teacher will have to assign and guide child to attempt after the test has been completed．

Grading：This question type is not graded on this system and will not affect the final score as it was designed in such a way that it requires manual assistance．
\begin{tabular}{ll} 
Question Type： & Essay \\
Date Added： & Tue 3rd Aug 2021 \\
Last Modified： & N／A \\
QID\＃： & \(28,604,994\)
\end{tabular}

\section*{Correctly answered feedback}

Z，because \(Z\) was the poorest conductor of heat since temperature of water after 10 minutes is the highest so the ice stick gained heat from the surroundings the slowest．

\section*{Incorrectly answered feedback}

Z，because \(Z\) was the poorest conductor of heat since temperature of water after 10 minutes is the highest so the ice stick gained heat from the surroundings the slowest．
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** Answers | Edit | 纪Duplicate | 4 Used In | 仓े Reorder
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** Answers | Edit | 纪Duplicate | 4 Used In | 仓े Reorder
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\section*{Question 62}

Jasim found out that holding a cup of hot lea with a rippled surface would feel less hot compared to holding a cup of tea with a smooth surface.


Explain why it felt iess hot to hold a cup of hot tea with a rippled sufface. [2]

This question is designed for extended answers that parent/ teacher will have to assign and guide child to attempt after the test has been completed.

Grading: This question type is not graded on this system and will not affect the final score as it was designed in such a way that it requires manual assistance.
\begin{tabular}{ll} 
Question Type: & Essay \\
Date Added: & Tue 3rd Aug 2021 \\
Last Modified: & N/A \\
QID\#: & \(28,604,998\)
\end{tabular}

Correctly answered feedback
Air is a poor conductor of heat so the hand gained heat from the hot tea is slower.

Incorrectly answered feedback
Air is a poor conductor of heat so the hand gained heat from the hot tea is slower.

\section*{\(\mathbf{*}^{\star}\) Answers | Edit | 组Duplicate | 4 Used In | \(\stackrel{\rightharpoonup}{\text { Reorder }}\)}

\section*{Question 63}

Boon Hwee conducted an experiment in the Science room at \(30^{\circ} \mathrm{C}\) using the set-ups as shown below. He heated two containers of water at the same time.


After ten minutes, Boon Hwee noticed that the water in container B started to boil but not the water in container A. Explain why. (2 marks)

This question is designed for extended answers that parent/ teacher will have to assign and guide child to attempt after the test has been completed.

Grading: This question type is not graded on this system and will not affect the final score as it was designed in such a way that it requires manual assistance.
\begin{tabular}{ll} 
Question Type: & Essay \\
Date Added: & Tue 3rd Aug 2021 \\
Last Modified: & N/A \\
QID\#: & \(28,605,010\)
\end{tabular}

Correctly answered feedback
\(B\) had less water so less heat was needed to boil a smaller amount of water.

\section*{Incorrectly answered feedback}
\(B\) had less water so less heat was needed to boil a smaller amount of water.
```

* Answers | Edit | \&}\mathrm{ Duplicate | 4 Used In | * Reorder


## Question 64

Boon Hwee conducted an experiment in the Science room at $30^{\circ} \mathrm{C}$ using the set-ups as shown below. He heated two containers of water at the same time.


After the water in both containers boiled for two minutes, Boon Hwee removed them from the heat source and cracked an egg into each container at the same time. In which container would the egg be cooked first? Give a reason. (1 mark)

This question is designed for extended answers that parent/ teacher will have to assign and guide child to attempt after the test has been completed.

Grading: This question type is not graded on this system and will not affect the final score as it was designed in such a way that it requires manual assistance.

Question Type: Essay
Date Added: Tue 3rd Aug 2021
Last Modified: N/A
QID\#: 28,605,072

Correctly answered feedback
Container $A$ as there is more heat in $A$ than in $B$.

Incorrectly answered feedback
Container $A$ as there is more heat in $A$ than in $B$.

## Question 65

Boon Hwee conducted an experiment in the Science room at $30^{\circ} \mathrm{C}$ using the set-ups as shown below. He heated two containers of water at the same time.


The two containers were left on the table in the Science room. What would be the final temperature of the water after 5 hours in both containers? (1 mark)

## Accepted answers:

Room temperature

| Question Type: | Free Text |
| :--- | :--- |
| Date Added: | Tue 3rd Aug 2021 |
| Last Modified: | N/A |
| QID\#: | $28,605,089$ |

[^2]
[^0]:    $k^{\star}$ Answers

[^1]:    Variable: Amount of mould

[^2]:    www.classmarker.com

