## ClassMarker

## Primary 3 - Term 4 (SA2) Science (School S)



## Test Introduction

+ Add Introduction

50 Questions (59 Points)

Test Questions
1 Test Assignment

## Question 1

Which one of the following statements is not true about living things?
A) Living things reproduce
B) Living things do not die
C) Living things respond to changes around them
D) Living things need food air and water to survive

## Question Type:

Multiple Choice
Randomize Answers: No
Date Added: Tue 4th Aug 2020
Last Modified: N/A
QID\#: $\quad 22,826,149$
$\boldsymbol{«}^{7}$ Answers | Edit | E Duplicate | 4 Used In | $\stackrel{\rightharpoonup}{\text { Reorder }}$
Remove From Test

## Question 2

## Study the table below.

| Properties | X | Y |
| :---: | :---: | :---: |
| Able to make food | No | Yes |
| Able to grow | Yes | Yes |
| Can reproduce | Yes | Yes |
| Need air, food and water | Yes | Yes |

## What can $X$ and $Y$ be respectively?

| X | Y |
| :---: | :---: |
| Hamster | Rose Plant |
| 1) | Rabbit |
| 2) | Table |
| 4) | Toy Car |
| - Sunflower Plant | Fish |

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

| Question Type: | Multiple Choice |
| :--- | :--- |
| Randomize Answers: | No |
| Date Added: | Tue 4th Aug 2020 |
| Last Modified: | N/A |
| QID\#: | $22,826,154$ |

## Question 3

Which of the following pairs of animals have the same type of body covering?
A) Sparrow and Crab
B) Tiger and Turtle
C) Squirrel and Snail
D) Fish and Snake

## Study the flowchart below.



## Which animal is a lizard?

A) $P$
B) $Q$
C) $R$
D) s

Question Type:
Multiple Choice
Randomize Answers: No
Date Added: Tue 4th Aug 2020
Last Modified:
N/A
22,826, 177

## Question 5

Mrs Lee added something to enable milk to turn into yoghurt. What could she have added?
A) mould
B) fern spores
C) mushrooms
$\checkmark$ D) bacteria

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

No
Tue 4th Aug 2020
N/A
22,826,191

Daniel conducted an experiment using three similar pieces of bread. He placed them on separate clean plates and left them on the kitchen table.


Fresh bread


Moist bread


Toasted bread

After 2 weeks, Daniel observed mould growing only on the fresh bread and moist bread. What is the most likely reason for his observation?
A) Mould cannot grow without water
B) Mould cannot grow without light
C) Mould can only grow with air
D) Mould can only grow after being put in the oven

## Question Type:

Multiple Choice
Randomize Answers: No
Date Added: Tue 4th Aug 2020
Last Modified: N/A
QID\#: $\quad 22,826,276$

## 

## Question 7

The classification table below shows some materials that have been placed into Groups X and Y .


Which of the following headings best describe the objects classified above?
1)
2)
3)
4)

| Group X | Group Y |
| :---: | :---: |
| Hard | Soft |
| Flexible | Non-flexible |
| Non-breakable | Breakable |
| Made from natural materials | Made from man-made materials |

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

> Question Type:

Multiple Choice
Randomize Answers:
Date Added.
Last Modified:
QID\#:

Tue 4th Aug 2020
N/A
22,826,289

## Question 8

Tom wants to investigate which material is most suitable to make a fish tank for a young child.

|  | Characteristics |  |  |
| :---: | :---: | :---: | :---: |
| Material | Waterproof | Transparent | Breaks easily |
| W | Yes | No | Yes |
| X | No | Yes | Yes |
| Y | Yes | Yes | No |
| Z | No | No | Yes |

Which material is the most suitable material to make the fish tank?
A) w
B) $x$
C) Y
D) Z

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

Multiple Choice
No
Tue 4th Aug 2020
N/A
22,826,294

Study the flowchart below.


What objects are $\mathbf{P}, \mathbf{Q}, \mathbf{R}$ and $\mathbf{S}$ likely to be?

|  | $\mathbf{p}$ | $\mathbf{Q}$ | $\mathbf{R}$ | $\mathbf{s}$ |
| :---: | :---: | :---: | :---: | :---: |
| 1) | - paper | soil | needle | shirt |
| 2) | key | plastic bag | leather | soil |
| 3) | shirt | metal spoon | toothpick | nail |
| 4) | toilet roll | plastic pail | nail | leather |

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

| Question Type: | Multiple Choice |
| :--- | :--- |
| Randomize Answers: | No |
| Date Added: | Tue 4th Aug 2020 |
| Last Modified: | N/A |
| QID\#: | $22,826,308$ |

Sheila wanted to investigate which brand of bath towel can absorb the most water. She carried out an experiment to find out the amount of water absorbed by different materials. The results are shown in the diagram below.

, Which brand of towel should she buy if she wants a brand of towel that can, absorb the most amount of water?
A) Brand A
B) Brand B
C) Brand C
D) Brand D

## Question Type:

Randomize Answers:
Date Added:
Last Modified:
Tue 4th Aug 2020
Last Modified: N/A
QID\#:
22,826,325

Question 11

In which part of the digestive system are digestive juices produced?

A) A and D only
B) A, C and E only
C) B, D and E only
D) A, B, C, D and E

## Question Type:

Randomize Answers:

## Last Modified:

QID\#:
N/A
22,826,335

Question 12
The diagram below shows parts of an organ system.


## What are organs X and Y respectively?

A) mouth and lungs
B) mouth and heart
C) nose and lungs
D) nose and heart

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

Multiple Choice
No
Tue 4th Aug 2020
N/A
22,826,345

## Look at the chart below.


body system has been correctly matched to one of its function?
A) Digestive system and skeletal system only
B) Digestive system and circulatory system only
C) Skeletal system and muscular system only
D) Digestive system, muscular system and circulatory system only

## Question Type:

Randomize Answers:
Date Added:
Multiple Choice

Tue 4th Aug 2020
Last Modified:
QID\#:

N/A
22,826,367

## - Alisha placed the four set-ups as shown below in a dark room.

1) 
2) 


Set-up B


Set-up A
3)

4)


Set-up C

Set-up D

In which set-up, A, B, C or D will the cockroaches die in the shortest time?
A) Set-up A
B) Set-up B
(C) Set-up C
D) Set-up D

## Question Type:

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

Multiple Choice
No
Tue 4th Aug 2020
N/A
22,826,387

The diagram below shows a plant.


Based on the picture above, identify Part $X$ and its function.
1)
2)
3)
4)

| Part X | Function : Absorbs water |
| :---: | :---: |
| Roots | Absorbs mineral salts |
| Flower | Keeps the plant upright |
| Stem | Makes food |
| Leaf |  |

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

Question Type:
Randomize Answers:
Date Added: Tue 4th Aug 2020
Last Modified:
QID\#:

## Multiple Choice

No

N/A
22,826,394

## Question 16

Alice has 2 similar pots of plants. For Plant $Y$, she removed all the roots from the plant and placed it back into the soil.


When a strong gust of wind blew at the 2 pots, she noticed that Plant $Y$ fell out of its pot but Plant X did not.

Based on her observation only, what can she conclude about the function of roots?
A) The roots store food in the soil $X$
B) The roots hold the plant firmly to the soil
C) The roots absorb water and mineral salts from the soil
D) The roots transport food and water to all parts of the plant

```
Question Type: Multiple Choice
Randomize Answers: No
Date Added: Tue 4th Aug 2020
Last Modified: N/A
QID#: 22,826,411
```


## Question 17

Sarah placed 2 magnets together to see if they would repel. Which of the following would the two magnets repel each other?
1)

2)

4)


S

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

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

## Multiple Choice

No
Tue 4th Aug 2020
N/A
22,826,421

The diagram below shows three rings $\mathrm{A}, \mathrm{B}$ and C when they are passed through a plastic rod.


What $\operatorname{can} \mathrm{A}, \mathrm{B}$ and C be?

|  | A | B | $\mathbf{C}$ |
| :--- | :---: | :---: | :---: |
| 1$)$ | copper ring | plastic ring | ring magnet |
| 2$)$ | plastic ring | ring magnet | copper ring |
| 3$)$ | silver ring | ring magnet | ring magnet |
| 4$)$ | ring magnet | ring magnet | ring magnet |

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

## Question Type:

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

## Multiple Choice

No
Tue 4th Aug 2020
N/A
22,826,568

## $\boldsymbol{*}^{\boldsymbol{*}}$ Answers | Edit | 约Duplicate | $\boldsymbol{4}$ Used In | $\hat{\boldsymbol{*}}$ Reorder

Question 19

Johnny conducted an experiment to make nails $A$ and $B$ into electromagnets as shown below using similar batteries and wires.


He placed the fron nails near some steel clips and recorded the number of clips attracted.

| Nail | Number of turns <br> of wire | Number of steel clips attracted |
| :---: | :---: | :---: |
| A | 10 | 5 |
| B | 20 | 0 |

Johnny remembered reading from his Science notes that the greater the number of turns of wire, the stronger will be the nail. Thus, he expected nail B to be able to pick up more steel clips but instead it attracted none.

The likely reason for the result of his experiment would be $\qquad$ .
A) nail $A$ is made of steel and nail $B$ is made of copper
B) nail $A$ is made of copper and nail $B$ is made of steel
C) nail $A$ is made of steel but nail $B$ is made of iron
D) both the nails are made of steel

| Question Type: | Multiple Choice |
| :--- | :--- |
| Randomize Answers: | No |
| Date Added: | Tue 4th Aug 2020 |
| Last Modified: | N/A |
| QID\#: | $22,826,589$ |

Question 20

Four metal bars, P, Q, R and S of the same size, were tied to a pole using strings as shown below.


Based on the table below, which of the following observations are correct
about the metal bars?

| Object | Made of non- <br> magnetic material | Made of magnetic <br> material | Is a magnet |
| :---: | :---: | :---: | :---: |
| P |  | $\checkmark$ | $\checkmark$ |
| Q |  | $\checkmark$ | $\sqrt{ }$ |
| R | $\sqrt{2}$ |  |  |
| S | $\sqrt{ }$ |  |  |

A) Ponly
B) R only
C) R and S only
D) P and Q only

Question Type:
Randomize Answers:
s: No
Date Added. Tue 4th Aug 2020
Last Modified: N/A
QID\#:
22,826,596

## $k^{\wedge}$ Answers | Edit | en Duplicate | 1 Used In | $\stackrel{\text { F Reorder }}{ }$

Question 21
21. The pictures below show 2 animals.

a) Based on what you can see only, list 1 similarity and 1 difference between them. (Do not mention their colour, size and shape)
[2]

Similarity:

Correctly answered feedback

## Similarity: Both A and B has six legs.

## Incorrectly answered feedback

## Similarity: Both $A$ and $B$ has six legs.

## Question 22

## Difference:

| Question Type: | Essay |
| :--- | :--- |
| Date Added: | Tue 4th Aug 2020 |
| Last Modified: | N/A |
| QID\#: | $22,827,574$ |

## Correctly answered feedback

## Difference: A have wings but $B$ does not have.

Incorrectly answered feedback

## Difference: <br> A have wings but $B$ does not have.

## Question 23

Which group of animals do both the animals belong to?

Accepted answers:
insect
insect group

Question Type: Free Text
Date Added: Tue 4th Aug 2020
Last Modified: N/A
QID\#: 22,827,590

Question 24

Mary observed 7animals A, B, C, D, E, F and G and drew a flowchart to describe the animals as shown below.

a) From the flowchart, which animal(s) is/are mammals?
A) A
B) $B$
C) C
D) $D$
E) E
F) F
G) G

## Question Type:

Multiple Response
Randomize Answers:
Grade style:
No
Full points if all answers are correct
Date Added: Tue 4th Aug 2020
Last Modified:
N/A
QID\#:
22,827,603

```
\(x^{\star}\) Answers | Edit | ERDuplicate | 1 Used In | \(\hat{*}\) Reorder
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Remove From Test

## Question 25

From the flowchart, which animal (s) is/are fish?
A) A
B) $B$
C) C
D) $D$
E) E
F) $F$
G) G

Question Type:
Multiple Choice
Randomize Answers: No
Date Added: Tue 4th Aug 2020
Last Modified: N/A
QID\#:
22,827,610

## $\mathbf{*}^{\star}$ Answers | Edit | © Duplicate | 1 Used In | $\hat{\boldsymbol{*}}$ Reorder

## Question 26

Suggest which of the animals in the above classification diagram represents a crocodile?
A) A
B) $B$
C) C
D) $D$
E) E
F) F
G) G

Randomize Answers: No
Date Added: $\quad$ Tue 4th Aug 2020

## Last Modified: <br> N/A

QID\#:

## Question 27

23. Olivia set up an experiment with 2 potted plants as shown below. She covered the leaves of Plant $B$ with black paint, Both plants were given the same amount of water daily.

a) What do you think will happen to both the plants after 1 week?
A) Leave on Plant A will grow bigger.
B) Plant $A$ will die but plant $B$ will grow

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Tue 4th Aug 2020
Last Modified: N/A
QID\#: $\quad 22,827,625$

## Question 28

b) Based on the diagrams above, what can Plant $A$ do that Plant $B$ cannot do?

Correctly answered feedback

## Plant A can make its own food but plant $\mathbb{B}$ cannot.

Incorrectly answered feedback

## Plant A can make its own food but plant $\mathbb{B}$ cannot.

## Question 29

24. Shi Lee drew a classification chart as shown below.

a) Which one of the living things above has been classified wrongly?

Accepted answers:
Bird's Nest Fern

Question Type: Free Text
Date Added: Tue 4th Aug 2020
Last Modified: N/A
QID\#: 22,827,643
b) Explain how the living thing you have stated in (a) reproduces.

Correctly answered feedback

## Bird's Nest Fern reproduce by spores.

Incorrectly answered feedback

## Bird's Nest Fern reproduce by spores.

## Question 31

Pamela had 4 identical pieces of leather that she cut out from an old sofa. She added 5 drops of water onto each piece of leather. Then, she left each piece of the leather under different conditions. Two weeks later, she noticed patches of black and green spots growing on the leather.

| Conditions | Number of black and green patches on the leather |
| :---: | :---: |
| Bright and dry | 1 |
| Bright and moist |  |
| Shady and dry |  |
| Shady and moist | 2 |

a) What are the black and green patches likely to be?

Accepted answers:
Mould

| Question Type: | Free Text |
| :--- | :--- |
| Date Added: | Tue 4th Aug 2020 |
| Last Modified: | N/A |
| QID\#: | $22,827,665$ |

$*^{\pi}$ Answers Edit Ruplicate 1 Used In | $\Rightarrow$ Reorder From Test

## Question 32

# Based on the information above. put a tick $(\checkmark)$ in the correct column below to show whether each statement made by Pamela about the black and green patches is true or false. <br> [2] 

They
can grow on leather objects
A) True
B) False

| Question Type: | True False |
| :--- | :--- |
| Date Added: | Tue 4th Aug 2020 |
| Last Modified: | N/A |
| QID\#: | $22,827,674$ |

$k^{\boldsymbol{n}}$ Answers

## Question 33

They only need air to grow well
A) True
B) False
Question Type: True False
Date Added: Tue 4th Aug 2020

Last Modified: N/A
QID\#: 22,827,677

## 

Question 34

They grow very well in shady and moist conditions.
A) True
B) False

| Question Type: | True False |
| :--- | :--- |
| Date Added: | Tue 4th Aug 2020 |
| Last Modified: | N/A |
| QID\#: | $22,827,681$ |

## Question 35

They do not grow well in dry conditions.
(A) True
B) False

Question Type: True False
Date Added: Tue 4th Aug 2020
Last Modified: N/A
QID\#: 22,827,689

## 

Question 36
i. The table below shows the properties of 4 different materials

| Properties | A | B | C | D |
| :---: | :---: | :---: | :---: | :---: |
| Flexible | No | Yes | Yes | Yes |
| Strength | Strong | Weak | Strong | Strong |
|  |  |  |  |  |
| Transparent | Yes | No | Yes | No |
|  |  |  |  |  |

a) Based on the table, describe material D.
QID\#: 22,827,705

## Correctly answered feedback

Material $D$ is flexible, strong and not transparent.

Incorrectly answered feedback
Material $D$ is flexible, strong and not transparent.
b) Based on the table, state the difference(s) between materials B and C. [1]
$\qquad$ $-$.

| Question Type: | Essay |
| :--- | :--- |
| Date Added: | Tue 4th Aug 2020 |
| Last Modified: | N/A |
| QID\#: | $22,827,716$ |

Correctly answered feedback
Material $B$ is weak and not transparent but Material C is strong and transparent.

Incorrectly answered feedback

## Material $B$ is weak and not transparent but Material C is strong and transparent.

## Question 38

Katriel wants to build a simple boat. She conducted an experiment to find out which is the most suitable material she could use to build a boat and the anchor.


She sets up an experiment as shown below.


Based on the experiment shown above, which property of materials is being tested in this experiment?

Correctly answered feedback

## If it sinks or floats.

Incorrectly answered feedback

## If it sinks or floats.

## Question 39

Based on the experiment conducted, which material $P, Q, R$ or $S$ is most suitable to be used to build the boat? Explain.your choice.
$\qquad$

Question Type: Essay
Date Added: Tue 4th Aug 2020
Last Modified: N/A
QID\#: 22,827,773

Correctly answered feedback
Materiat Pas boats need to toat ot vituet.

Incorrectly answered feedback
Material P as boats need to float on water.

## Question 40

The anchor helps to prevent the boat from drifting off by gripping the sea bed in the sea. Which material $P, Q, R$ or $S$ is suitable to make the anchor? [1]
A) $P$
B) $Q$
C) $R$
D) S

Question Type:
Multiple Choice
Randomize Answers:
Date Added: Tue 4th Aug 2020
Last Modified:
QID\#:

No

N/A
22, 827,782

## Question 41

- Alysa used the set-up below to study a material.


In her study, she used four strings, A, B, C and D, and some 10 g loads. She added the 10 g loads to the string one at a time until each string broke.

The following graph shows the mass of the loads that can be placed on each string until it broke.

(a) Alysa tested another string, D. String D was able to carry a load up to 100 g when it broke. Draw a bar for string D in the graph above.

| Question Type: | Essay |
| :--- | :--- |
| Date Added: | Tue 4th Aug 2020 |
| Last Modified: | N/A |
| QID\#: | $22,827,797$ |

## Correctly answered feedback

Mass of the loads when the string broke (g)


Incorrectly answered feedback


## Question 42

Based on the graph above, which string, $A, B$ or $C$ is the strongest?
A) $A$
B) $B$
C) C

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

Multiple Choice
No
Tue 4th Aug 2020
N/A
22,827,810

## Question 43

Explain your answer.

| Question Type: | Essay |
| :--- | :--- |
| Date Added: | Tue 4th Aug 2020 |

Correctly answered feedback

## It can hold the most number of 10 g loads.

Incorrectly answered feedback

## It can hold the most number of 10 g loads.

## Question 44

Visa dropped a bar magnet into a box of paper clips. When she picked up the magnet, paper clips were attracted to different parts of the magnet. She counted the paper clips and recorded them in a table shown below.

| Part of the magnet | Number of paper clips attracted to <br> the part of the magnet |
| :---: | :---: |
| W | 10 |
| X | 1 |
| Y | 9 |
| Z | 3 |

Based on Visa's results, label the parts by writing W, X, Y and Z in the boxes provided below.
the options below:
Clue
Match


Points: + 0.5 - 0


Points: +0.5-0


Points: + 0.5 - 0


Points: +0.5-0

## Question Type: Matching

Shuffle Mode: Shuffle Matches Only
Date Added: Tue 4th Aug 2020
Last Modified:
N/A
QID\#:
22,827,873

## Question 45

- A beads factory uses the machine below to separate iron beads from glass beads.


Which containers will the iron and glass beads fall into?

| Clue | Match |
| :--- | :---: |
| iron | $x$ |
| Points: $+0.5-0$ |  |
| glass |  |
| Points: $+0.5-0$ | $y$ |

Points: + 0.5 - 0

Question Type: Matching
Shuffle Mode: Shuffle Matches Only
Date Added:
Tue 4th Aug 2020
Last Modified
QID\#:
22,827,890

## Question 46

After using the machine for many hours, the roller got very hot and the machine was unable to separate the beads into the two containers.

Give a reason why the machine did not work anymore.

QID\#:

## Correctly answered feedback

Heat cause the magnet to lost its magnetism.

Incorrectly answered feedback

## Heat cause the magnet to lost its magnetism.

## Question 47


) To stay alive, the seedling needs food, $\qquad$ and
$\qquad$ -

Accepted answers:
air,water
$\checkmark$ air, water
air, water
air and water
water and air
water, air
water, air
$\checkmark$ water,air
$\checkmark$ water air
$\checkmark$ air water

| Question Type: | Free Text |
| :--- | :--- |
| Date Added: | Tue 4th Aug 2020 |
| Last Modified: | N/A |
| QID\#: | $22,827,922$ |

$\mathbf{*}^{\star}$ Answers | Edit | Duplicate | 4 Used In | $\stackrel{\rightharpoonup}{\text { Reorder }}$

Question 48

The seedling becomes taller and bigger after some time. This shows that it can $\qquad$ .

Accepted answers:
grow

| Question Type: | Free Text |
| :--- | :--- |
| Date Added: | Tue 4th Aug 2020 |
| Last Modified: | N/A |
| QID\#: | $22,827,936$ |

$\mathbf{k}^{\boldsymbol{x}}$ Answers | Edit | \& Duplicate | 1 Used In | 合 Reorder
Remove From Test

Question 49

Sophie was asked by her teacher to make a model of the human respiratory system.


Name the organs found in the system which are represented by the following objects in the model.

## Accepted answers:

windpipe

Question Type: Free Text
Date Added: Tue 4th Aug 2020
Last Modified: N/A
QID\#: 22,827,954

## $«^{\star}$ Answers | Edit | 㙁Duplicate | 1 Used In | 仑 Reorder

## Question 50

balloons: $\qquad$

Accepted answers:
lungs

Question Type: Free Text
Date Added: Tue 4th Aug 2020
Last Modified: N/A
QID\#: $\quad 22,827,958$
$«^{\star}$ Answers | Edit | EDDuplicate | 1 Used In | $\hat{\text { F Reorder }}$
Remove From Test

