

Answers science G4

Above ALL

Pg 2 Q1

Living things : dogs, rose plant, parrot, child

Non-living things : ball, chair, pencil, toy car

Pg 3 Q2

(a) by producing seeds (b) by giving birth

(c) by laying eggs (d) by giving birth

(e) by laying eggs (e) by laying eggs

Pg 4 Q3

(a) walking (b) swimming (c) crawling (d) walking

(e) walking/swimming (f) walking (g) walking

(h) swimming/walking (i) crawling

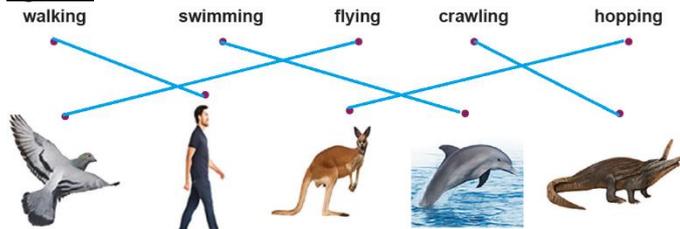
Pg6 Q4

1. calf 2. laying 3. seed 4. giving

Pg 6 Q5

1. air 2. water/air 3. water 4. food

Pg 6Q6



Pg 7 Q7

1. move 2. sunlight 3. movement/process

Pg 7 Q8

1. They are both living things

2. Animals respond by moving.

3. Because the roots hold the plants firmly in the soil.

4. Animals move to find food or move away from danger to find shelter.

5. They both need water and air.

Pg 7 Q9

1. False 2. True 3. False 4. True

Pg 8 Q10

(a)(i) They all breathe air (ii) They all need water

(b)(i) Dog may moves by running where bird moves by flying.

(ii) The plant cannot move from one place to another whereas the dog can move from one place to another.

(c) The duck and chicken.

Pg 9 Q11

living thing: boy, plant

Non-living thing : ball, teddy bear

Pg 9 Q12 (i)True (ii)False (iii) True

Unit 2

Pg 10 Q1

1. living things need air to breathe.

2. We can feel it when the wind blows and also, we can see the leaves moving in the air.

3. I feel the air when I stand in front of a fan
I feel cool breeze when i stand in front of a air conditioner.

4. Yes life will change. Without air, living things would not survive. All plants and animals will no longer exist.

Pg 11 Q2 (i) wind/breeze (ii) skin

Pg 12 Q3

(a) air (b) bubbles of air are coming out of the bottle

(c) Air is present in empty containers

Pg 12 Q4

(i) bubbles of air

(ii) Animals which live in the soil breathe air present in the soil.

Pg 13 Q5

(i) I can see tiny bubbles forming on the inner surface of the glass

(ii) The bubbles contain air.

(iii) Air is present in water.

Pg 14 Q6

(i) yes (ii) No cannot see it but can feel it.

Pg 14 Q7 (i) No (ii) yes

Pg 15 Q8 (i) No (ii) yes

Pg 15 Q9

(i) Watch their chest to see if it's rising and falling regularly./ Hold your hand or cheek near their nose and mouth to sense warm air.

(ii) We will suffocate and die.

Pg 16 Q10

(a) from the atmosphere (b) From the atmosphere

(c) air dissolved in water (d) air dissolved in water

(e) from the soil (f) from the soil

Pg 16 Q11

- 1. from the soil 2. air dissolved in water
- 3. from the atmosphere 4. from the soil
- 5. from the atmosphere 6. air dissolved in water
- 7. from the atmosphere 8. from the atmosphere
- 9. from the atmosphere 10. from the soil

Pg 17 Q12

- (i) yes
- (ii) they breathe through tiny pores found in their leaves
- (iii) leaves
- (iv) from the atmosphere

Pg 18 Q13

- (i) the candle will stop burning / The Flame will go off.
- (ii) because there is no continuous supply of air
- (iii) that fire needs air/oxygen to light up. /
Air must be present for burning

Pg 18 Q14

- (a) everywhere (b) odourless, colourless, tasteless
- (c) plants, animals, human beings
- (d) gas stove, candle, car engine

Pg 19 Q15

- (a) False (b) True (c) True (d) False (e) False

Pg 19 Q16 1B 2B 3A

Pg 19 Q17

- (a) No (b) because the box is closed
- (c) The pig will die
- (d) The pig needs a continuous air supply to survive.

Pg 20 Q18

- (a) The plant in glass Jar A is still healthy and green.
The plant in glass Jar B has wilted and died.
- (b) The plant in Glass Jar B did not get air.
- (c) Air is necessary for plant to stay alive.

Unit 3

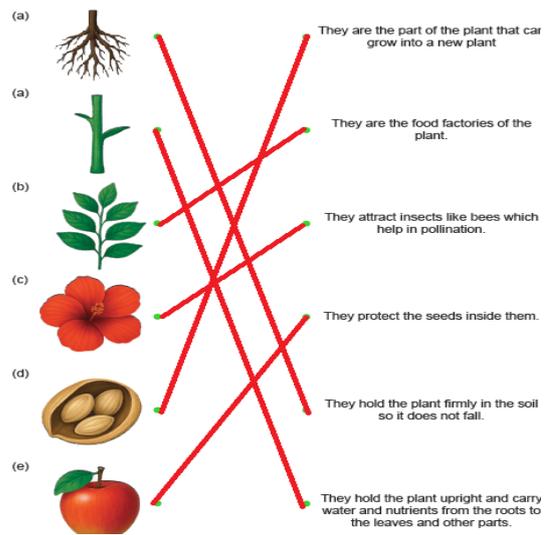
Pg 21 Q1A

- (a) banana tree (b) betel leaf plant (c) dracaena ruby plant
- (d) coleus colourful leaves plant
- (e) Thyme plant (f) mango tree

Pg 23 Q1B

- (a) flower (b) bud (c) fruit (d) leaf (e) stem (f) root

Pg 25 Q2



Pg 26 Q3 1C 2A 3C 4B

Pg 26 Q4

- (a) root (b) leaves (c) stem (d) seed (e) Aquatic

Pg 26 Q5

- (a) True (b) True (c) False (d) False

Pg 27 Q6

- (a) They provide food for animals and humans
- (b) The plant will die
- (c) flowering plant : Mango
Non-flowering plant : ferns or mosses
- (d) To attract insects
- (e) bees and butterfly (flies/ wasps)

Pg 27 Q7

- (a) It contains seeds (b) To produce a new plant
- (c) To produce a new plant.
- (d) nuts, pumpkin seeds, rice, corn, wheat, oats...

Pg 30 Q8

- carrot – root, lettuce-leaf, sugar-stem,
broccoli-flower, beans-seed, apple-fruit

Pg 31 Q9

- (a) spices (b) cereals (c) drinks (d) herbs (e) pulses

Pg 31 Q10

- (a)B (b)A (c)A (d)C (e) D

Pg 31 Q11

- (a)(i) orange, pineapple, mango, apple ...
(ii) carrot, beetroot, cucumber, ...
- (b) sunflower, olive, soya beans, coconut

- (c)(i) cinnamon, pepper, cardamon, turmeric,...
- (ii) To add flavour and taste to food.
- (d) Herbes can be used for medicinal purposes

Pg 32 Q12

- (a) Plants provide food. Plants provide us with wood.
Plants provide us with medicines
- (b) Plants provide animals with food.
Plants provide animals with shelter.
Plants provide animals air to breathe.

Pg 32 Q13

- (a) Mint – To cure indigestion
- (b) Aloe Vera – to cure burns
- (c) citronella – To cure cough
- (d) Ayapana – to treat gastric

Pg 35 Q14

- 1 (i) An endemic plant is one which exists or existed only in one place and nowhere else in the world.
- (ii) Pest plants take a lot of space and prevent the proper growth of endemic plants.
- (iii) Exotic plants have been brought long ago from people that have been visiting Mauritius.

Q2

- (a) Trochetia Boutaniana, Ebony tree, Bois dentelle
- (b) mango tree, sugar cane, litchi
- (c) Goyave de chine, Framboise marron, Privet

Q3

- (i) endemic (ii) exotic (iii) endemic

Q4 Planting endemic plants along nature walks / Creating endemic gardens / Planting endemic plants in nature reserves / Planting endemic plants to sell and encourage people to grow them at their places

Q5

A natural reserve is a protected natural area established to preserve the island's unique biodiversity.

Q6

- 1. Bras D'eau National Park
- 2. Macchabee Forest
- 3. Ile aux Aigrettes

Pg 36 Q7

We have no right to cut down endemic trees
We have no right to throw wastes in nature reserves.

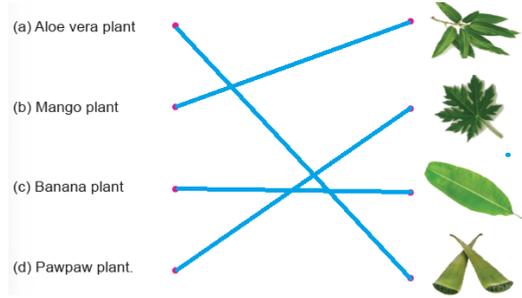
Pg 36 Q8

- 1. Because forest have been cleared for building of houses and building.
- 2. Because of frequent cyclones

Pg 36 Q9

The Government has passed laws to protect these nature reserves.

Pg 37 Q15



Pg 37 Q16

- (i) flower (ii) To produce fruit
- (ii) To attract insect
- 2.(i) Plant provide food to people.
- (ii) Plant provide shelter to animals.

Unit 4

Pg 38 Q1

- (a) To find shelter
- (b) To search for food
- (c) To escape from danger

Pg 39 Q2

- cat – walk + Hop
- snake – crawl
- butterfly – fly
- kangaroo – hop
- monkey – walk
- bird – fly
- dolphin – swim
- turtle – swim + walk

Pg 40 Q3

- (a) fins and tail
- (b) wings
- (c) legs
- (d) legs
- (e) fins and tail
- (f) wings

Pg 42 Q4

- 1. Endemic animals are animals that are only found in a particular place and nowhere else.
- 2. (a) Mauritius kestrel, Pink Pigeon ,...
- (b) Cardinal Jaune, Fauvette de Rodrigues
- 3. Black River Gorges National park, Ile aux Aigrettes or Round Island
- 4. (a) The Mauritius Wildlife Foundation
- (b) They breed birds in captivity and later on release them in forests once they grow up.
- 5. Because they are unique to the island and if they disappear, they will be lost forever.
- 6. Avoid destroying their habitats, Plant native trees, Do not harm them

Pg 43 No.5

1. Exotic means animals or plants that are brought to a country from another one.
2. dogs, cats, lion, zebra.
3. Casela Nature parks, La Vanille Nature Park
4. (a) hen (b) exotic
(c) provide eggs, provide meat

Pg 44 Q6

- (i) dog, cat, bird, tortoise, fish ...
- (ii) 1. To give them clean food and water every day.
2. To keep them clean and give them bath.
3. Be kind and not hurt them.
4. To provide a safe and clean space to live.
5. To take them to the vet for regular check-ups
- (iii) Mauritius Society for Animal Welfare (MSAW)

Pg 44 Q7

- (a) True (b) False (C) False

Pg 45 Q8

- (a) Pink Pigeon (b) Mauritius kestrel
(c) Echo Parakeet (d) Gecko (e) Cardinal Jaune
(f) Boa of Round Island

Pg 45 Q9

1C 2C 3A 4B 5C 6B 7B

Pg 46 Q10

- (a) It provides us with milk
(b) It provides us with honey

Pg 47 Q11

1. (a) flies (b) hops and jumps (c) crawls
2. (i) fins (ii) legs (iii) hands
3. (ii) because it is endemic animals and is protected by the law.

Unit 5

Pg 48 Q1

river, pond, lake, well, sea, snow reservoir,...

Pg 48 Q2

- (i) for drinking, for washing hands for watering plants
(ii) for drinking, for cleaning dishes, for cooking

Pg 52 Q3

Dissolves : sugar, salt, glucose, coffee

Does not dissolve: sand, soil, leaves, lentils, beans

Pg 52 Q4

Changes colour: tea, squeezed orange, turmeric, food colouring, coffee,

Does not change colour: coin, sand, white sugar, salt

Pg 53 Q5

- (i) colour (ii) odourless (iii) tasteless

Pg 53 Q6

solid state, gas state , liquid state

Pg 53 Q7

- (a) True (b) False (c) True (d) True (e) True

Pg 53 Q8

- (a) water is in liquid state where steam is in gaseous state
(b) They are both water in gaseous state.

Pg 55 Q10

- (a) A = muddy water B = sand C: small peddles
D = big peddles
(b) Filtration is the process to remove soil and solid waste found in water.
(c) (i) No
(ii) because it still contains germs and microbes
(d) La Marie filter bed
(e) Purification is the process by adding chlorine to kill germs and microbes.

Pg 55 Q11

- (a)False (b)True (c)True (d)False (e)True

Pg 56 Q12

1. to drink , to bath, to clean, to cook, ...
2. reservoirs, lakes and boreholes
3. (i) to close the tap after washing dishes.
(ii) to use water properly when brushing teeth in the morning.
(iii) Not to waste water when irrigating plants.

Unit 6

Pg 58 Q1

- (a) metal (b) wood, plastic, metal (c) paper
(d) metal, plastic, wood (e) wood, plastic, metal
(f) plastic, metal (g) metal (h) plastic (i)metal, glass
(j) plastic (k) rubber (l) rubber

Pg 60 Q2

- (a) impermeable (b) permeable (c) impermeable
(d) impermeable

Pg 60 Q3

1. (i) glass (ii)fabric, leather (iii)metal (iv) rubber
2. Because glass is transparent.

Pg 61 Q4

- (a) it is soft and permeable
It is used to make clothes
- (b) It is hard.
It is used to make furniture
- (c) It is impermeable.
It is used to make tyres
- (d) It is transparent
It is used to make windows.

Pg 62 Q5

- (a) fabric (b) fabric (c) rubber (d) wood (e) metal
(f) plastic or rubber (g) metal

Pg 62 Q6

- 1C 2C 3B 4C 5B 6B 7D 8B 9B 10. B

Pg 64 Q7

- (a) glass
- (b) because it is impermeable.
because it is transparent.
- (c) It is fragile and make break when it get a shock.

Pg 64 Q8

- (i) transparent (ii) opaque
2.(i) glass (ii) wood

Unit 7

Pg 67 Q1

- (a) to get energy
(b) Chemical energy

Pg 68 Q2

- (a) The children are flying a kite.
- (b) wind energy
- (c) movement energy
- (d) wind energy is used to sail boats.
wind energy can turn turbines and produce electricity

Pg 68 Q3

- (a) heat energy and light energy
- (b) yes, to produce their food
- (c) It does not cause pollution
It is a natural resource that never runs out

Pg 69 Q4

- (a) chemical energy (gas) (b) chemical (food)
- (c) chemical (fuel) (d) light energy (sun)
- (e) Movement energy (wind) (f) heat energy (sun)

Pg 70 Q5

- (a) cooking gas (b) wood (c) petrol (d) candle wax

Pg 70 Q6

- (a) False (b) True (c) True (d) True (e) False

Pg 70 Q7

- (a) work (b) source (c) chemical (d) movement
(e) light (f) heat

Pg 71 Q8

- (a) Energy is the ability to do work.
- (b) sun, wind, petrol
- (c) Because energy keep us alive and helps us to do our daily activities
- (c) sun, wind and fuels.
- (d) please it does not cause pollution
- (e) (i) petrol, charcoal
(ii) chemical energy
(iii) It causes pollution

Pg 71 Q9

- (a)(i) heat (ii) chemical
- (b) Its causes smoke and pollution

Unit 8

Pg 76 Q2

- (a) air pollution (b) land pollution
(c) noise pollution (d) water pollution

Pg 76 Q3

- 1.False 2. False 3. True
4. True 5. True 6. True

Pg 77 Q4

1. land pollution
2. tyres and plastic bottles
3. (i) Animals may eat the waste and get sick
(ii) Plants won't be able to grow well in polluted land.
(iii) It may cause diseases and bad smells.
4. Proper dispose of waste into bins
Compost food waste

Pg 78 Q5

- (a) water pollution
- (b) plastic bottles and tyres
- (c) Aquatic animals may die in the polluted water.
Polluted water will prevent plants from growing
People will fall sick if they consume this water.
- (d) Do not throw waste into rivers and lakes.
recycle waster and reduce plastic use.

Pg 79 Q6

1. Air pollution
2. (a) burning waste in open air
(b) smoke from vehicles

- (c) smoke from factories
 - (d) dust from stone crushers.
3. (i) Animals will die or will get ill.
(ii) Plants will not be able to grow properly.
(iii) Breathing of polluted air may cause coughing, asthma and other lung diseases.
4. (i) Use of public transport, cycle or walk instead of driving everywhere.
(ii) Factories should have air filters before release the air in the atmosphere.

Pg 80 Q7

- (a) noise pollution
- (b) vehicles and airplane noise, hammering noise
- (c)(i) Animals may lose their sense of direction due to loud sounds. (bats, dolphins)
- (ii) Continuous loud noise may cause hearing loss.
- (d) 1. Wearing of ear-muffler to protect from loud noise
2. regular checkup of vehicles to avoid loud engines.

Pg 81 Q8

1. Throwing waste on land.
Air pollution
Noise pollution
Throwing waste in rivers
2. (i)reuse (ii)recycle (iii)reduce
3. Throwing litter or waste on the ground without using the bins
4. Put rubbish in bins instead of throwing it on the sand or water.