

ANSWERS

Unit 1

Q1: 1. Tick – (a), (b), (d), (e), (i). Cross – (c), (f), (g), (h), (j). 2. Living things feed. / Living things move. / Living things reproduce. / Living things breathe. **Q2** 1. By producing seeds: Papaya plant and Avocado plant. / By laying eggs: Duck and Bird. / By giving birth: Human beings and Monkey. 2. Hen / Mosquito / Lizard / Snake. **Q3** 1. A 2. B. 3. A. 4. B. 5. A **Q4** (a) Draw plant A growing upright and plant B bending towards the hole for sunlight. (b) **Plant A:** It grew straight in the sunlight. **Plant B:** It bent and grew towards the hole for sunlight. (c) **A** - straight / upright. **B** - bends; sunlight (d) The experiment shows that parts of plants move towards sunlight. **Q5** (a) Living things feed. / Living things move. / Living things grow. / Living things breathe. (b) i. apple tree / mango tree / eggplant ii. Cow, pig, goat, sheep, human beings. (c) Animals can move from one place to another whereas plants cannot move from place to place; only some parts move. **End of Unit: 1.** Living things: Butterfly, potato plant, shark ; Non-living things: Car, Fork. 2. (a) True (b) True (c) False (d) False (e) True (f) False (g) False (h) False. 3. (a) grow (b) birth (c) pen (d) danger (e) sun (f) move (g) swimming (h) crocodile

Unit 2

Q1: (a) True (b) False (c) True (d) True (e) False (f) False. **Q2** (a) colourless (b) tasteless (c) odourless **Q3** 1. Air is a mixture of gases that is present everywhere around us. 2. We would always have the same taste in our mouth. 3. (a) Air comes out (b) We feel air on our skin when the bottle is squeezed. (c) From the opening of the bottle (d) Air is present in empty containers. **Q4** 1. (a) i. water ii. lump of soil iii. Air bubbles. (b) Because air is present in the soil. 2. (a) From air dissolved in the water. (b) Air is present in water. (c) Fish need air dissolved in water to breathe and stay alive. **Q5** 1. (a) Nose. (b) i. pleasant ii. pleasant. iii. unpleasant iv. unpleasant v. pleasant vi. unpleasant vii. pleasant viii. unpleasant ix. pleasant **Q6** 1. Ant – from the soil. Shark – from water. Horse – from the atmosphere. Rabbit – from the atmosphere. Centipede – from the soil. Stingray – from water. 2. (a) air. (b) leaves. (c) food (d) water. (e) atmosphere. 3. (a) Helps living things to stay alive. (b) Moves up and down when we breathe. (c) Air goes in and out through this. (d) cannot survive without air. 4. Human beings may suffocate and die. **Q7** (a) From the atmosphere. (b) To allow fresh air to enter so that the gas stove can keep burning. **End of Unit: 1.** (a) wind. (b) empty. (c) surroundings. (d) fuel. (e) water. (f) Plants. (g) burning. (h) die 2. (a) A fish (b) It animal may die as it cannot get enough air. (c) The lid must be removed. / Make holes in the lid to allow air into the bowl. 3. **Needs air:** (a), (b), (c), (d), (f) and (i). **Doesn't need air:** (e), (g) and (h) 4. (a) A: continue. B: stop. (b) **A:** Candle A is getting a continuous supply of air. **B:** Candle B is not getting a continuous supply of air as it is covered with a jar.

Unit 3

Pg 28 to 31 – Q1 1. A: Rose. B: Banana. C: Grass. D: Cauliflower. E: Mangrove. F: Litchi tree. G: Coconut tree. H: Tomato plant. I: Papaya tree. **2.** (a) coconut tree / papaya tree / litchi tree (b) grass / rose / cauliflower. **3.** Green. **4.** The fruits differ in size, shape and colour.

Q2 (a) A: stem. B: seed. C: flower. D: leaf. E: fruit. F: root. (b) stem / roots. **Q3** (a) i. anthurium. ii. jasmine iii. hibiscus. iv. orchid v. rose. vi. marigold. (b) Jasmine. (c) bright; attract; pollen; pollination; fruit (d) bee; butterfly. **Q4 1.** Fruits protect the seed. / Fruits hold the seed. **2.** i. papaya. ii. banana iii. watermelon iv. grapes. **3.** (a) i. kiwi. ii. guava. iii. apple. (b) i. avocado. ii. mango. iii. peach. (c) A seed germinates to produce new plants. **Pg 35 – 43: Q1 1.** Potato – stem / Broccoli – Flower. / Peas – seeds / Strawberry – fruit / Radish – root / Cabbage – leaf / Pomegranate – seeds / Watercress – leaf / Celery – stem / Pumpkin – fruit / Cauliflower – flower **2.** Eggplant / Potato / Pumpkin / Bitter gourd / Green beans. **3.** Cucumber / Carrot / Cabbage / Lettuce / Tomato. **Q2 1.** (a) grass. (b) cereals. (c) seeds. (d) flour. **2.** Maize; Rice; Oats. **3.** Rye / Barley. **Q3 1.** A: parsley. B: pepper. C: cinnamon. D: cardamom. E: thyme. F: turmeric. G: mint. H: clove. I: curry leaves. **2.** Dry herbs: Oregano / Bay leaves / Thyme. Fresh herbs: Curry leaves / Mint / Coriander. **3.** Cloves – flower / Cinnamon – stem / Mustard – seeds / Red chilli – fruit. **4.** Black pepper ; chilli. **5.** To add flavour to food / To add colour to food. **6.** (a) True (b) True (c) False (d) True (e) False (f) True. **Q4** A: mung beans. B: chickpeas. C: yellow split peas. D: butter beans. E: lentils. F: red beans. G: white beans H: yellow lentils. **Q5 1.** (a) coconut. (b) olive. (c) soya beans. (d) sunflower. (e) almond. (f) groundnut. **2.** (a) For frying food. (b) For making salads. (c) For hair oiling. (d) For canned food. **3.** (a) bad (b) obese (c) heart. **Q6 1.** Cocoa – chocolate drink; Tea – Tea drink; Coffee seeds – Coffee drink **2.** (a) seeds (b) leaves. (c) lemongrass. **Q7 1.** Fruits – orange / lemon / kiwi / pineapple. Vegetables – beetroot / tomato / carrot / celery. **2.** (a) A: ayapana. B: lemongrass C: mint. D: ginger. (b) A: stomach pain / nausea. B: cough. C: indigestion / stomach pain. D: cough / sore throat / cold **Q8 1.** Cow – grass; caterpillar – leaf; monkey – fruit; tenrec – root; Bird – seed; elephant – branch. **2.** (a) Because they feed on plants only. (b) cow; horse; deer. **Pg 46 – 48 Q1 1.** Endemic: Ebony / Trochetia / Latanier Bleu. Exotic: Tea / Lettuce / Rose / Sugarcane / Mango. **2.** A: Framboise Marron B: Goyave de Chine. C: Privet. D: Traveller's Palm. **3.** Endemic Plants: Plants that grow only in one specific place in the world. / Exotic plants: Plants brought from other countries by people. / Pest plants: Fast-growing exotic plants that stop endemic plants from growing well. **4.** (a) A protected area of natural forest where endemic plants are kept safe. (b) Machabée / Black River Gorges National Park / Round island / Ile aux Aigrettes. **5.** For building houses / For road construction / For building tourist resorts / For agriculture. **6.** Do not light fires in nature reserves / Do not pluck flowers, fruits or seeds in nature reserves / Do not throw rubbish in nature reserve

Unit 4

Pg 51 – 52 Q1 1. Shark – swimming 2. Crab – crawling / swimming 3. Lizard – crawling 4. Snake – creeping. 5. Pigeon – flying / hopping. 6. Goldfish – swimming. 7. Elephant – walking. 8. Frog – hopping / swimming. 9. Deer – walking / running 10. Duck – walking / swimming. 11. Monkey – walking / climbing 12. Sheep – walking. **Q2** (a) It moves by climbing and jumping. Body part(s) it uses: legs, arms and tail (b) It moves by flying and walking. Body part(s) it uses: wings and legs. (c) It moves by swimming. Body part(s) it uses: fins and tail. (d) It moves by hopping. Body part(s) it uses: strong back legs **2.** (a) A penguin walks and swims. (b) A dog walks and runs. (c) A turtle crawls and swims. **3.** To escape from predators. / To find food and water / To find shelter / To look after their young
Pg 54 – 55 Q1 1. A: Mauritian Kestrel B: Pink Pigeon C: Echo Parakeet D: Mauritius Ornate Day Gecko (or Mauritius Day Gecko) **2.** Round Island Boa. **3.** Rodrigues Fody / Rodrigues Warbler **4.** (a) False. (b) False. (c) True. (d) True. **Q2. 1.** (a) 1. Cat 2. Deer 3. Zebra 4. Crocodile 5. Dog 6. Fish (b) hamster / rabbit / dog / cat (c) 3: Casela Nature Park 4: La Vanille Crocodile Park **2.** Give clean water every day. / Provide a safe and comfortable place to sleep. / Take the dog for check-ups at the vet. / Keep it clean and healthy.

Unit 5

Q1 (b) For watering plants (c) For washing clothes (d) For drinking (e) For cleaning (f) For swimming (g) For extinguishing fires (h) For brushing teeth **Q2 1.** A: lake B: sea C: pond D: river **2.** (a) Dug by people to reach underground water (b) Drilled by machines to reach underground water (c) Collects and stores rainwater **3.** (a) snow (b) icebergs **Q3 1.** (a) colourless (b) tasteless (c) odourless **2.** Tick – salt Cross – sand; Rice grains; Lentils **3.** Colourless: White sugar; Kitchen salt Coloured: Food colour, Ink, Instant milk powder **Q4 1.** A: liquid B: gas C: solid **2.** (a) water (b) ice (c) steam **3.** (a) False (b) True (c) False (d) True (e) True (f) False **4.** The water in the clothes changes into water vapour. **Q5 1.** (a) reservoirs (b) impurities (c) filtration (d) germs (e) chlorine (f) purification (g) La Marie **2.** (a) A: muddy water B: sand C: small pebbles D: big pebbles E: clear water (b) No (c) The water still contains germs. (d) Boil the water. / Add chlorine to the water. **Q6** (a) drink (b) die (c) save (d) fresh (e) tap (f) clean (g) wastes (h) sick

Unit 6

Q1 (a) Balloons – rubber (b) Dustbins – plastic (c) Keys – metal (d) Food containers – plastic (e) Salad bowl – glass (f) Boat – wood (g) Gift wrapping paper – paper (h) Iron nails – metal (i) Drinking glass – glass (j) Rubber bands – rubber (k) Paper cups – paper (l) Pencils – wood **Q2** (b) Glass, Wood (c) Paper, Metal (d) Glass, Metal (e) Rubber, Metal, Wood (f) Metal, Wood (g) Metal, Glass (h) Plastic, Metal **Q3 Permeable: Tick (✓)** Tissue

paper, Towel **Cross (X)** Cooking pot, Raincoat, Water bottle, Wooden chair, Metal spoon, Plastic bag, Fish bowl, Rubber duck, Soda can, Teapot **Transparent: Tick (✓)** Water bottle, Plastic bag, Fish bowl, Teapot **Cross (X)** Cooking pot, Raincoat, Wooden chair, Towel, Metal spoon, Plastic bag, Rubber duck, Soda can **Hard: Tick (✓)** Cooking pot, Water bottle (hard plastic), Wooden chair, Metal spoon, Fish bowl (glass), Soda can, Teapot **Cross (X)** Raincoat, Towel, Plastic bag, Rubber duck **Q4** (a) Hard material (b) From silica sand (c) Glass is a transparent material. (d) Glass is strong and waterproof/impermeable. (e) flower vase / plate / window pane **Q5 1.** (a) natural (b) hard **2.** (a) trees (b) impermeable (c) durable / strong **Q6** (a) True (b) False (c) True (d) False (e) True (f) False **Q7 1.** (a) plastic (b) impermeable / light **2.** Plastic is transparent but wood is opaque. / Plastic is lighter than wood. **Q8 1.** (a) Metal is impermeable and hard. (b) Iron nails, scissors, knife **2.** Metal is stronger and harder than plastic. **Q9** (a) C (b) C (c) D (d) A (e) D (f) B (g) B

Unit 7

Q1 (b) wind (c) sun (d) petrol (e) wind (f) sun (g) cooking gas (h) food (i) charcoal (j) diesel (k) wax (l) food **Q2 1.** (a) source (b) chemical (c) move **2.** (a) wind (b) movement (c) fly (d) sail (e) pollute (f) clean **Q3** (a) False (b) True (c) False (d) False (e) True (f) True **Q4** (a) i. sun ii. heat iii. light iv. electricity (b) The sun does not pollute the environment. (c) To heat water in the solar water heater. (d) Looking directly at the Sun is dangerous and can damage the eyes. **Q5** A: light B: heat C: chemical D: movement E: light F: chemical G: movement H: heat **Q6** (a) i. food ii. movement energy (b) i. wood ii. heat energy (c) i. sun ii. electrical energy (d) i. petrol ii. movement **Q7 1.** (a) Wax (b) movement (c) heat (d) chemical (e) light **2.** Gas stove: Cooking gas – light energy / heat energy ; Solar water heater: sun – heat energy ; Sailing ship: wind – movement energy ; Campfire: wood – light energy / heat energy

Unit 8

Q1 Plastic: Plastic bottles / Plastic bags; Metal: Empty tin cans / Old keys; Paper: Old newspapers / Tissue rolls; Food: Banana peels / Egg shells; Glass: Broken glass bottles **Q2 1.** (a) land (b) sea – water (c) air – air **2.** (a) land (b) water (c) air **Q3 1.** (a) land (b) dirty (c) grow (d) bad (e) rats **2.** It can cause diseases because mosquitoes, flies, and rats may spread germs. / The smell makes the environment unhealthy and uncomfortable to live in. **3.** Waste must be thrown in covered bins for collection. **Q4 1.** (a) Use fewer things to create less waste (b) Use things again instead of throwing them away (c) Change waste materials into new objects **2.** (a) A (b) B (c) C **3.** (a) i. plastic bottles / used paper / soda cans / glass pieces ii. potato peels and spoiled fruits (b) Recycling reduces the amount of

waste going to the landfill. / It helps protect the environment. / It reduces pollution. (c) Composting helps to enrich the soil. / It helps plants grow well. (d) Mare Chicose (e) baskets, pencil holders, flower pots, plastic chairs, buckets **Q5 1.** 1st picture – solid waste thrown into a river 2nd picture – Factory releasing waste water into the river 3rd picture: Spraying pesticides on crops near a river 4th picture: Oil spills from a ship **2.** Washing clothes in the river / dumping sewage into the sea **3.** (a) Plants may die as they do not grow well in polluted water. / It prevents them from getting enough sunlight. (b) People can get skin diseases. / People can fall sick. (c) Polluted water can cause diseases in aquatic animals **4.** People can get food poisoning. **5.** (a) measures (b) treat (c) thrown (d) follow (e) less (f) laws **Q6 1.** (a) Air (b) B: The factory is releasing dark smoke into the air. C: Dust and smoke are released during stone crushing. D: Smoking releases harmful smoke into the air. E: Burning dry leaves releases smoke and harmful gases into the air. (c) Ride a bicycle instead of using a car for short distances. / Avoid burning waste. / Factories must place air filters in their chimneys. / Water must be sprayed while crushing stones in a stone crusher. / Smoking must not be allowed in public places. (d) It causes breathing problems such as coughing and asthma. / It can make eyes burn. / It may damage lungs over time. **2.** She is wearing a mask to protect herself from breathing polluted air. / The mask helps filter out dust, smoke, and harmful gases. **Q7 1.** (a) Picture A: Loud music from speakers ii. Picture B: Loud noise from a drilling machine iii. Picture C: Firecrackers exploding iv. Picture D: Honking from vehicles v. Picture E: Barking dogs vi. Picture F: Loud noise from wood-cutting machine (b) Loud noise from aeroplanes / Crowded market noise / Loud machines in factories / Motorcycles with loud exhausts / Noise from road construction **2.** (a) continuous (b) disturbs (c) hearing loss (d) ear mufflers (e) reduce (f) safe **3.** (b), (e), (f), (g) and (i)

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