

Amazing Minibeasts

Activity Book Answers

Page 3 1 1 legs 2 A bee 3 eggs 4 8 5 bodies 6 4 2 1 Millions 2-5 free answers

Page 4 1 1 ant 2 bee 3 grasshopper 4 spider 5 millipede 6 fly 7 leech 8 snail 9 scorpion 2 1 invertebrate 2 arthropods 3 Insects 4 molluscs 5 myriapods 6 Arachnids

Page 5 1 1 head 2 eye 3 mouth 4 leg 5 abdomen 6 wing 7 thorax 2 1 The head has eyes and wings. False 2 Insects have strong bones. False 3 Some insects are poisonous. True 4 Most insect bodies have three parts. True 5 Insects can use camouflage to hide from other animals. True

Page 6 1 1 minibeast 2 antennae 3 proboscis 4 insect 5 nectar 6 flowers 2 1 antennae 2 crickets 3 eyes 4 light 5 tongue 6 proboscis 7 feet 8 ears

Page 7 1 1 Bees dance to tell other bees where food is. 2 Fireflies make light with their abdomen. 3 Grasshoppers sing with their legs. 4 Some minibeasts communicate with smell. 5 Ants touch each other to give information. 2 1 Light: firefly 2 Smell: moth 3 Touch: ant 4 Dance: bee 5 Sound: grasshopper

Page 8 1 1 Most baby minibeasts come from eggs. 2 Scorpions have live babies. 3 Grasshoppers grow wings when they get bigger. 4 Some insect babies are larvae. 5 A butterfly larva is a caterpillar. 6 Caterpillars become pupae. 2 1 earthworms, soil 2 butterflies, plants 3 scorpions, babies 4 back 5 bees, larvae 6 pupae 7 wings

Page 9 1 1 leafcutter, leaves 2 carry, nest 3 Fungus 4 eat, fungus 2 (in correct order) 1 The queen bee lays the eggs. 2 Worker bees look for food. 3 Worker bees make honey from nectar. 4 Worker bees give honey to the bee larvae.

Page 10 1 1 desert 2 forest 3 nest 4 underground 5 water 6 underwater 7 ocean 8 wood 2 1 underground 2 back 3 Dragonflies 4 ocean 5 wood and saliva 6 10,000

Page 11 1 1 web 2 poison 3 liquid 4 leaves 5 mice 6 spider 2 1 Spiders have two body parts and eight legs. They have six or eight eyes. 2 Female spiders are often much bigger than male spiders. 3 Spiders make silk. Some spiders use it to make webs to catch insects. 4 Spiders can only eat liquid food. They bite an animal with poison that makes the animal liquid inside. Then the spider drinks the liquid.

Page 12 1 1 Some spiders have a poisonous bite. 2 Some beetles eat wood. 3 Mosquitoes can give people malaria. 4 Locusts eat a lot of food crops. 5 Bees can only sting once. 2 1 female 2 black widow 3 sick 4 clothes 5 stinger 6 grasshopper

Page 13 1 (in correct order): 1 An insect visits a flower to collect food. 2 The pollen from the flower sticks to the body of the insect. 3 The insect goes to another flower. 4 The pollen falls from the insect onto the other flower. 5 The flower uses the pollen to make seeds. 6 A new plant grows. Pollination 2 1 Honey 2 Silk 3 To make silk fabric. 4 Soil and plants

Pages 14–15 1 1 legs 2 A bee 3 eggs 4 8 5 bodies 6 4 2 1 female 2 food 3 poison 4 bee 5 grasshopper 6 grow 7 spider 8 earthworm 9 ant 10 male 11 sting 12 touch 3 1 animal, page 4 2 eggs, page 12 3 light, page 11 4 stinger, page 20 5 underwater, page 16 6 camouflage, page 7 4 1 scorpion 2 spider 3 centipede 4 Arachnids 5 bee 6 Myriapods 7 Insects 8 millipede 9 Arthropods 10 beetle 11 earthworm 12 Minibeasts 13 snail 14 Annelids 15 Molluscs 16 leech 17 slug

Animals in the Air

Activity Book Answers

Page 3 1 1 fly 2 Many 3 wings 4 jump 5 light 6 Bats 2 Free answers

Page 4 1 1 fly, safe 2 nectar, honey 3 hunt, eat 4 nest, meters 2 1 Some storks make very big nests. 2 Bees fly to collect nectar from flowers. 3 Owls fly to hunt smaller animals. 4 Small birds fly to escape from cats and dogs. 5 Many birds make their homes in tall trees.

Page 5 1 1 air spaces 2 feather 3 wing 4 tail 5 bone 6 wingspan 2 1 Birds have many small feathers. 2 Most birds have longer feathers on their wings and tail. 3 Birds have very thin bones. 4 The Andean condor has a wingspan of 3 meters. 5 Hummingbirds have very short wings.

Page 6 1 1 swift 2 bar-tailed godwit 3 peregrine falcon 4 swallow a 4 b 3 c 1 d 2 2 1 fastest, world, fly, hour 2 insects, turn 3 journeys, food 4 travel, babies 5 flying, sleep

Page 7 1 1 Bar-headed geese can fly over the Himalayas. 2 The Himalayas are the highest mountains in the world. 3 Ruppell's vultures can fly at more than 11,000 meters high. 2 1 sunny 2 warm 3 air, currents 4 Birds, circles

Page 8 1 1 butterfly 2 bee 3 mosquito 4 dragonfly 5 moth 6 fly 2 1 Bees have ~~two~~ four wings. 2 The first flying animals were ~~birds~~ insects. 3 ~~All~~ Most insects have wings and can fly. 4 Atlas moths have a wingspan of ~~3~~ 30 centimeters. 5 Some ~~mosquitos~~ dragonflies can fly at more than 50 kilometers per hour.

Page 9 1 1 flocks 2 insects 3 hungry 4 farmers 5 clouds 2 1 safe, eagles 2 ducks, move 3 small 4 swarms, home

Page 10 1 1 Grasshoppers have strong back legs. 2 Fleas jump from one animal to another. 3 All spiders can make silk. 4 Jumping spiders don't make webs. 5 Springtails have a special tail. 6 Springtails don't have wings. 2 1 Yes, they can. 2 Yes, they do. 3 No, they can't. 4 No, they don't.

Page 11 1 1 wing 2 membrane 3 leg 4 sound 5 echo 6 insect 2 1 When they fly, bats make special sounds. true 2 Bats are the only mammals that can fly. true 3 Bats usually rest at night. false 4 Bats use echolocation to find food. true 5 Fruit bats are also called flying dogs. false

Page 12 1 1 kangaroo 2 flying squirrel 3 springbok gazelle 4 gibbon a 3 b 2 c 4 d 1 2 1 50 2 9 3 15 4 30

Page 13 1 1 amphibians 2 membranes 3 reptiles 4 air 5 wings 2 1 Amphibians can't fly. 2 Some amphibians can glide in the air. 3 Flying fish can jump out of the water. 4 Flying fish can glide for hundreds of meters.

Page 14–15 1 Answers provided 2 1 net 2 mice 3 million 4 feather 5 food 6 reptiles 7 rest 8 bone 9 mountains 10 web 11 land 12 dark 13 plants 3 1 legs, page 16 2 insects, page 12 3 honey, page 4 4 flocks, page 14 5 mammals, page 18 6 silk, page 17 4 Birds: stork, vulture, duck, swallow. Mammals: kangaroo, gibbon, squirrel, bat. Insects: moth, bee, locust, mosquito.

Festivals Around the World

Activity Book Answers

Page 3 1 1 colorful 2 big 3 streets 4 have 5 dancers 6 vacation
2 Free answers

Page 4 1 1 float 2 street 3 costumes 4 parade 5 cloak 6 dress
2 1 carnival, biggest 2 music, colorful 3 day 4 winter 5 colder
6 long, cold

Page 5 1 1 lamps, look 2 world 3 candles 2 1 For many festivals, people decorate their homes. 2 Diwali is usually in October or November. 3 Diwali is a big festival for Hindu people. 4 Hanukkah is usually in December. 5 At Hanukkah, many families eat pancakes.

Page 6 1 1 Arabic 2 presents 3 wash 4 pray 5 hug 6 grandparents
2 1 Eid is a big Muslim festival. true 2 At Eid, people give presents to children. true 3 People wear old clothes at Eid. false 4 At Eid, Muslims give food to hungry people. true 5 At Eid, people eat pancakes for breakfast. false

Page 7 1 1 baby 2 shoe 3 tree 4 candy 5 present 6 king 2 1 Four Three good people visited Jesus when he was a baby. 2 They gave him food presents. 3 Later, people called them the Three Brothers Kings. 4 Twelfth Night is 12 nights after Christmas. 5 In some countries, people eat a big sandwich cake. 6 Spanish children put their socks shoes under the Christmas tree.

Page 8 1 1 sunny 2 pink, April 3 good 4 Ghana 5 Portugal
2 1 Spring is a very pretty season. 2 There are lots of flowers in spring. 3 In Japan, people love cherry blossom. 4 The pink flowers open in spring. 5 People have picnics under the cherry trees. 6 In Ghana, the rainy season starts in May.

Page 9 1 1 wreath 2 harvest 3 turkey 4 wheat 5 pumpkin pie 6 crown
2 1 Fall, world 2 harvest 3 Farmers, fruit 4 festival, traditional
5 Thanksgiving, turkey 6 flowers

Page 10 1 1 Christmas is the birthday of Jesus Christ. 2 Christmas is a big festival for Christians. 3 Many people have a Christmas tree in their homes. 4 There are pretty decorations in the streets.
2 **Example answers** 1 Guru Nanak's birthday is in November. 2 The Golden Temple is in India. 3 Gotama Buddha was a great teacher in India. 4 Vesak Day is usually in May. 5 They decorate statues of Gotama Buddha.

Page 11 1 1 pole 2 river 3 leaves 4 lake 5 flowers 6 bonfire
2 1 In June, it's summer in Europe. 2 The longest day is June 21st. 3 People make big bonfires at Midsummer. 4 In Finland, there's no night at Midsummer. 5 In Russia, girls make pretty crowns. 6 In Sweden, people dance around a pole.

Page 12 1 1 costumes 2 knock 3 candy 4 pumpkin 5 holes
6 candle 2 1 after 2 festival 3 cemetery 4 sad 5 candy 6 kites

Page 13 1 1 Thailand 2 Spain 3 Japan 4 Australia 5 Portugal
2 **Example answers** 1 When – Many people watch fireworks at New Year. 2 Where – People eat grapes at midnight on December 31st in Spain and Portugal. 3 How many – They eat twelve grapes. 4 What – People in Japan like laughing at midnight. 5 What – People throw water in the streets in Thailand. 6 Where – There are more than 80,000 fireworks at New Year in Sydney in Australia.

Page 14–15 1 Answers provided 2 1 street 2 turkey 3 statue 4 hole
5 money 6 wheat 7 harvest 8 picnic 9 crops 10 pie 11 skeleton
12 cut 13 knock 3 1 birthday, page 16 2 Hindus, page 6 3 Night, page 11 4 Fall, page 14 5 cemetery, page 21 6 spring, page 12
7 June, page 18 4 Carnival, Venice, February–March; Homowo, Ghana, May; Chuseok, South Korea, September–October; Thanksgiving, USA, November

Free Time Around the World

Activity Book Answers

Page 3 1 1 important 2 soccer 3 Swimming 4 make music 5 Skiing
6 go surfing 2 free answers

Page 4 1 1 boots 2 pitch 3 player 4 team 5 ball 2 1 Soccer is the most popular sport in the world. True 2 Soccer isn't a big part of life in Brazil. False 3 In Brazil, people play soccer in the street. True 4 Children often play with no boots. True 5 There are six players in Brazilian *futsal* teams. False

Page 5 1 1 cold 2 sunny 3 warm 4 windy 5 hot 6 cloudy 2 1 In Nunavut, winter is from September to June. 2 Dog sledding is an exciting snow sport. 3 In Dubai, the summer is very hot. 4 There's a lot of time for snow sports in Nunavut. 5 Dubai has the biggest snow dome in the world.

Page 6 1 1 India 2 Bollywood 3 movie industry 4 dance 5 jewelry
6 necklace 7 bangle 8 bindi 2 1 India 2 free time 3 colorful 4 movies
5 dancers 6 earrings 7 eyebrows 8 popular

Page 7 1 1 back kick 2 jumping back kick 3 flying side kick 4 side kick
2 1 3 2 6 3 1 4 5 2 6 4 3 1 The most popular martial art in the world is taekwon do. 2 Taekwon do means 'the way of hands and feet'. 3 Children learn taekwon do and English in *Taeglish* lessons.

Page 8 1 1 science fiction 2 book 3 cartoon 4 adventure 5 comedy
6 magazine 2 1 Manga 2 words, pictures 3 mystery 4 Internet
5 television 6 reading groups

Page 9 1 1 court 2 cheerleaders 3 gymnastics 4 team 2 1 Basketball is the most popular team sport in the USA. True 2 Lots of people play basketball in their free time. True 3 People don't play basketball in their gardens. False 4 About four million people in the USA are in cheerleading groups. False

Page 10 1 1 pipe 2 trumpet 3 bell 4 drum 5 rattle 2 1 Music 2 sing
3 percussion 4 instruments 5 plants 6 jazz

Page 11 1 1 snorkeling 2 swimming 3 volleyball 4 kayaking 5 surfing
6 cricket 2 1 In Australia there are about 11,000 beaches. 2 Many Australians spend a lot of their free time at the beach. 3 Many beaches in Australia are great for surfing. 4 Australia has thousands of surf lifeguards.

Page 12 1 1 scouting 2 camping 3 climbing 4 kayaking 5 walking
6 sailing 7 skateboarding 8 snorkeling 2 1 United Kingdom 2 Scouts
3 maps, fires 4 boys 5 fun, work 6 million

Page 13 1 1 Cycling, flat, paths, safe 2 BMX, racing, track, jumps
2 1 In the Netherlands about 75% of people go cycling. False 2 Most of the land is flat. True 3 It isn't very safe. False 4 There are 70,000 kilometers of cycle paths. False

Pages 14–15 1 1 important 2 soccer 3 Swimming 4 make music
5 Skiing 6 go surfing 2 1 countryside 2 newspaper 3 tobogganing
4 comedy 5 rattle 6 drum 7 kayaking 8 snorkeling 9 team 10 jewel
11 pipe 12 court 3 1 skatepark, page 23 2 cheerleaders, page 15
3 *futsal*, page 5 4 cricket, page 19 5 manga, page 12 6 bindi, page 9
4 Sports: 1 soccer 2 skiing 3 snowboarding 4 taekwon do 5 basketball
6 volleyball; Other Activities: 7 dance 8 reading 9 internet
10 camping 11 music 12 scouting

How We Make Products

Activity Book Answers

Page 3 1 1 products 2 make 3 in factories 4 eat 5 books
6 machines 2 Free answers

Page 4 1 1 neck 2 side 3 back 4 strings 5 front 2 1 hand 2 tools
3 instruments 4 wood 5 thin 6 glue

Page 5 1 1 fabric 2 clothes 3 pocket 4 buttons 5 zipper 6 jeans
2 1 cotton, shapes, machine, front 2 wool, needles, factories

Page 6 1 1 toys 2 mold 3 blow 4 model 5 recycle 6 waste
2 1 We make a lot of products from plastic. 2 Machines put hot plastic in a mold. 3 Machines also blow air into the molds.
4 It's good to recycle plastic. 5 We can make new things from plastic waste.

Page 7 1 1 People use steel to make a strong chassis. 2 Robots fix the outside to the chassis. 3 A conveyor moves the chassis around the factory. 4 People fix many parts on the chassis. 5 Other machines paint the car. 2 1 steel 2 shapes 3 parts 4 million 5 uses 6 recycle

Page 8 1 1 People make noodles from grains like rice. 2 They mix flour with water to make dough. 3 Machines push dough through holes to make noodles. 4 Some people make noodles by hand. 2 1 pods, sun 2 seeds 3 grind 4 liquid 5 sugar 6 bars

Page 9 1 1 apartment, floors, steel 2 wood, liquid, concrete
2 1 People build roofs walls to make the rooms. 2 They put wires in the walls to carry water electricity. 3 They put pipes in the floors to carry electricity water. 4 They put plaster on the floors walls.

Page 10 1 1 An author writes the words. true 2 An editor draws pictures for the book. false 3 A designer checks the words. false 4 Printing machines print two pages on one piece of paper. false 5 Pictures in a book are made of very small dots. true 2 1 machines 2 fix 3 glue 4 dots

Page 11 1 1 cell phone 2 digital camera 3 electricity 4 microchip 5 computer program 6 circuit board 2 1 Circuits carry electricity around a product. 2 People put computer programs on a microchip. 3 They fix the microchip on a circuit board. 4 They make the phone case from plastic. 5 They fix the screen and camera inside the case. 6 They put the case together.

Page 12 1 1 digital skeleton 2 drawing 3 digital character 4 sensors
2 1 lines 2 games 3 Sensors 4 moving 5 play 6 sell

Page 13 1 1 cans 2 electricity 3 river 4 landfill 5 sort 6 recycling center 2 1 waste 2 millions 3 landfills 4 throw, bad 5 recycle 6 metal

Page 14–15 1 Answers provided 2 1 grains 2 pull 3 chocolate 4 recycle 5 heat 6 metal 7 cans 8 wool 9 river 10 million 11 pocket 12 electricity 13 strings 3 1 landfills, page 22. 2 dots, page 17. 3 digital, page 20. 4 wood, page 5. 5 waste, page 22. 6 editor, page 16. 4 1 books 2 clothes 3 jewelry 4 toys 5 computers 6 guitars 7 steel 8 plastic 9 wood 10 concrete 11 cotton 12 paper

Life in Rainforests

Activity Book Answers

Page 3 1 1 tall 2 warm 3 day 4 are 5 animals 6 small 2 1 free answers

Page 4 1 1 equator 2 Amazon 3 islands 4 butterfly 5 Jaguars
2 1 Most tropical rainforests are in the Tropics. True 2 The biggest tropical rainforest is in Africa. False 3 South Asia has lots of tropical rainforests. True 4 Tropical rainforests cover about 50% of Earth. False

Page 5 1 1 emergent layer 2 canopy 3 understory 4 forest floor
2 1 emergent layer 2 canopy 3 forest floor 4 understory 5 canopy 6 forest floor 7 understory 8 emergent layer

Page 6 1 1 leaves 2 nest 3 plant 4 tree hole 5 branches 2 1 Bananas and pineapples grow in the rainforest. 2 People make bags from pineapple leaves. 3 We use the balsa tree for wood. 4 We use the rubber tree for latex. 5 Orang-utans use big leaves as umbrellas.

Page 7 1 1 river 2 smaller 3 types 4 fish, water 5 travel, roads
2 1 The Amazon is about ~~640~~ 6,400 kilometers long. 2 The Mekong river is in Africa Asia. 3 The piranha is a fish with big eyes teeth. 4 The anaconda is one of the biggest birds snakes in the world. 5 In rainforests, many people travel by car boat.

Page 8 1 1 butterfly 2 tiger 3 fish 4 platypus 5 chimpanzee 6 sloth
2 1 c 2 e 3 d 4 a 5 b

Page 9 1 1 a insects 2 b butterfly 3 b Mantises 4 a strong
5 c American 6 c eight 2 1 camouflage, hide 2 beetles, horn 3 biggest, legs

Page 10 1 1 head 2 eye 3 wing 4 tail 5 foot/feet 2 1 c, g 2 a, h
3 d, f 4 b, e

Page 11 1 1 blowpipe 2 deer 3 birds 4 flour 5 palm tree 6 hut
2 1 travel, families 2 hut, smaller 3 mammals, hunt 4 cut, food

Page 12 1 1 sugar 2 cow 3 floor 4 furniture 5 wood 6 door
2 1 Tropical rainforests are getting smaller. 2 People cut down the trees to get wood. 3 Some farmers cut down rainforest trees. 4 Trees are good for the soil. 5 When there are no trees, the soil is not very good.

Page 13 1 1 island 2 wood 3 amazing 4 mammals 5 important
2 1 buy, cut 2 can, made 3 recycled 4 are 5 save 6 teach

Pages 14–15 1 1 tall 2 warm 3 day 4 are 5 animals 6 small 2 1 bat 2 food 3 female 4 fruit 5 recycle 6 deer 7 chimpanzee 8 plants 9 clothes 10 soil 11 insects 12 hole 3 1 canopy, page 7 2 mammal, page 12 3 spiders, page 15 4 equator, page 4 5 flour, page 19 6 Jaguars, page 5 4 Minibeasts: spider, beetle, mantis, butterfly; Mammals: sloth, tiger, platypus, deer; Birds: eagle, parrot, cassowary, toucan



Sound and Music

Activity Book Answers

Page 3 1 1 hear 2 sounds 3 voices 4 sound 5 a concert 6 music
2 Free answers

Page 4 1 1 sound waves 2 push 3 voice 4 waves 5 shout 6 molecule
2 1 The air is made of thousands billions of molecules. 2 The sound of a bus is slower faster than the bus. 3 Sound moves at about 350 meters per hour second. 4 Molecules are very big small, so you can't see them. 5 The sound waves from quiet loud sounds go far.

Page 5 1 1 low 2 high 3 thin 4 thick 5 vibrate, see 6 slowly
2 1 Different types of vibration are called frequency. 2 The sound of the thick strings has a low frequency. 3 A baby's cry has a high sound. 4 A truck makes a low sound. 5 The sound waves from a truck are thicker.

Page 6 1 1 air 2 mouth 3 throat 4 chest 5 lungs 2 1 different 2 lower 3 vocal 4 lungs, cords 5 sing 6 help

Page 7 1 1 cymbals 2 drum 3 violin 4 guitar 5 cello 6 clarinet
7 trumpet 8 flute 2 1 wind 2 blow 3 vibrates 4 percussion 5 stringed

Page 8 1 1 percussion 2 Argentina 3 squeeze, sound 4 pluck, thumb
5 India 2 **Example answers** 1 A gamelan is an orchestra. 2 You can see a gamelan in Bali in Indonesia. 3 They usually sit on the floor. 4 It has 13 strings.

Page 9 1 1 Musicians never practice before a concert. false
2 Conductors move their hands to help the orchestra. true
3 All rooms are good for concerts. false 4 In a concert hall, the walls are flat. false 5 Mozart played in concerts when he was six. true
2 1 instruments, conductor 2 practice 3 bounce, echo 4 musicians

Page 10 1 1 listen, tap 2 rhythm, dance 3 marching, sound
2 1 The rhythm of a rock band is strong. 2 All music has rhythm.
3 There are different types of rhythm. 4 Flamenco dancing is sometimes slow, and sometimes fast.

Page 11 1 1 musicians 2 sound engineer 3 MP3 player 4 digital
signals 5 microphone 6 recording studio 2 1 everywhere 2 favorite
3 equipment 4 sound 5 trumpets

Page 12 1 1 3 2 5 3 1 4 4 5 2 2 **Example answers** 1 Where can people buy music today? People can buy music on the Internet.
2 When did people start to buy records? People started to buy records about 100 years ago. 3 How many records were there in a jukebox? There were about 50 records in a jukebox. 4 Why were cassettes good? Because people played them in their cars.

Page 13 1 1 earphones 2 car 3 wind 4 jackhammer 5 cat 6 street
2 1 We measure sound in decibels. 2 A bad sound is called a noise.
3 Loud sounds can hurt your ears. 4 Cats can hear better than people. 5 Listen before you cross the street.

Page 14–15 1 Answers provided 2 1 musicians 2 measure 3 quiet
4 earphones 5 coins 6 flat 7 march 8 lips 9 radio 10 waves 11 touch
12 squeeze 13 sound 3 1 second, page 4 2 decibels, page 22
3 vocal, page 8 4 molecules, page 5. 5 records, page 21
6 high, page 6 4 Percussion: cymbals, xylophone, drum. Wind:
clarinet, flute, bandoneon. Stringed: sitar, cello, violin.

Super Structures

Activity Book Answers

Page 3 1 1 house 2 tall 3 parts 4 bricks 5 long 6 metal 2 free answers

Page 4 1 1 tunnel 2 metal 3 gas 4 concrete 5 train 6 mountain 7 cave
8 plane 2 1 underwater 2 gas 3 metal 4 longest 5 trains 6 road, caves

Page 5 1 1 beam 2 deck 3 pillar 4 suspension 5 cable 6 tower
7 anchorage 8 deck 2 1 On a beam bridge, cables carry the deck.
False 2 On a suspension bridge, the cables and towers carry the deck. True 3 On a suspension bridge, anchorages hold the cables. True 4 Bridges go under water. False

Page 6 1 1 Petronas Twin Towers 2 Sears Tower 3 Shanghai World
Financial Center 4 Burj Dubai 5 Taipei 101 2 1 skyscrapers 2 Chicago
3 Insurance Building 4 skybridge 5 kilometer 6 shops, hotels, library

Page 7 1 1 Arch 2 reservoir 3 curve 4 Gravity 5 reservoir 6 concrete
2 1 South America, gravity 2 tall, long 3 concrete 4 smaller 5 curve
6 Switzerland, arch

Page 8 1 1 Airport 2 Stadium 3 Stadium 4 Airport 2 1 Red and gold
are traditional colors for Chinese buildings. True 2 There aren't many
super structures in Beijing. False 3 Terminal 3 of Beijing Capital
International Airport is the smallest terminal in the world. False
4 Terminal 3 has two floors. False 5 The Beijing National Stadium is
sometimes called the Bird's Home. False 6 Beijing National Stadium
has 80,000 seats. True

Page 9 1 1 dome 2 plastic 3 glass 4 skyscraper 5 wind 6 energy
2 1 shapes 2 dome 3 365 meters 4 support 5 rotating skyscraper
6 floor 7 energy, wind 8 different

Page 10 1 1 plastic 2 bricks 3 wood 4 mud 5 glass 6 concrete 7 metal
8 ice 2 1 It's made of glass and metal. 2 It's nearly as big as two and
a half American football fields. 3 It's made of ice. 4 It has 80 rooms.

Page 11 1 1 The Poseidon Undersea Resort is a hotel. 2 The hotel is
made of metal and plastic. 3 The windows are made of clear plastic.
4 To get to the hotel, you travel by submarine. 5 From the hotel,
people can see fish. 2 1 Halley 6 is a research station in the Antarctic.
2 It's built on ice. The ice moves 400 meters every year and Halley 6
moves with it. 3 The structure is on skis so people can move it back.
4 The weather in the Antarctic is very cold. The wind speed can be
150 kilometers an hour.

Page 12 1 1 astronaut 2 earth 3 international space station
2 1 research station 2 350 3 metal 4 energy, sun 5 Earth, every day
6 telescope 7 astronauts 8 parts

Page 13 1 1 tower 2 termite mounds 3 burrows 4 paws 5 bears
2 1 They build their homes with mud. 2 They are about 13 meters
high. 3 It can dig about 2 meters per hour. 4 They build dams on
the water.

Page 14–15 1 1 house 2 tall 3 parts 4 bricks 5 long 6 metal
2 1 dam 2 bricks 3 telescope 4 temperature 5 metal 6 concrete
7 ocean 8 mud 9 lake 10 tunnel 11 mountain 12 ice 3 1 burrows,
page 23 2 rotating, page 15 3 metal, page 4 4 ocean, farm, page 16
5 Suspension, page 7 6 dam, page 10 4 1 Tunnel: concrete, metal
2 Bridge: concrete, metal 3 Skyscraper: glass, concrete, bricks, plastic

Wonderful Water

Activity Book Answers

Page 3 1 1 liquid 2 glaciers 3 5 4 Pacific 5 important 6 blue whale
2 free answers

Pages 4 1 1 Atlantic Ocean 2 Pacific Ocean 3 Indian Ocean 4 Southern Ocean 5 Arctic Ocean 6 Dead Sea 7 Marmara Sea 8 South China Sea
2 1 There are five oceans on Earth. 2 The largest sea is the South China Sea. 3 One of the smallest seas is the Marmara Sea. 4 About 70% of the Earth is covered with water.

Page 5 1 1 cave 2 lake 3 rain 4 river 5 glacier 6 soil 2 1 Some fresh water is in the sky. True 2 Most of Earth is covered with clouds. False 3 Ice is in glaciers and polar ice caps. True 4 One of the smallest lakes is Lake Superior. False 5 Some fresh water is in rocks and caves. True 6 Most of the fresh water on Earth is liquid. False

Page 6 1 1 precipitation 2 stream 3 evaporation 4 river 5 ocean 6 sun
2 1 falls 2 streams 3 rivers 4 seas 5 sun 6 sky 7 clouds 8 water cycle

Page 7 1 1 We use water to: flush the toilet; take a shower; wash the dishes; brush our teeth; wash clothes. We do not use water to: read a comic book; brush our hair; watch television; get dressed; go to school. 2 free answers

Page 8 1 1 Waterskiing 2 diving 3 swimming 4 sailing 5 surfing
2 1 Surfing and sailing are sports that need water. True 2 We can make power with water. True 3 Fruit and vegetables don't need water to grow. False 4 Diving and swimming are water sports. True 5 We can travel by ship and by boat. True

Page 9 1 1 bones 2 kidneys 3 blood 4 brain 5 lungs 2 1 33
2 kidneys, brain 3 blood 4 three 5 healthy 6 sports

Page 10 1 1 blue whale 2 shark 3 elephant 4 krill 5 fish 6 jellyfish
2 1 Blue whales eat a lot of krill. 2 All ocean animals need oxygen. 3 Jellyfish are invertebrates. 4 Invertebrates don't have a skeleton. 5 Water supports an invertebrate's body. 6 A blue whale can be as big as 25 elephants.

Page 11 1 1 crocodile 2 hippo 3 beaver 4 duck 5 whale 6 jellyfish
7 frog 8 shark 2 1 fish, beavers, rivers, lakes 2 crocodile, Africa 3 eats 4 savannah, zebras, waterhole

Page 12 1 1 roof 2 helicopter 3 house 4 boat 5 road 6 cars 2 1 Floods can happen when there is too much rain. True 2 Small waves in the ocean can make floods. False 3 Flood water covers roads and paths. True 4 People sometimes get on the roof in a flood. True 5 Flood water is very strong and dangerous. True

Page 13 1 1 Turn off 2 rainwater 3 shower 4 Don't throw 2 1 can't
2 shower, bath 3 dry 4 die 5 outside 6 dirty

Pages 14–15 1 1 liquid 2 glaciers 3 5 4 Pacific 5 important 6 blue whale
2 Across: 2 beaver 5 ice 6 rocks 8 glacier 11 vegetables; Down: 1 waves 3 river 4 shower 7 flush 9 cave 10 salt 12 soil 3 1 oceans, page 4 2 water, page 16 3 caves, page 7 4 rivers, reservoirs, page 9 5 ship, page 12 6 waterholes, page 19 7 eight, page 15 4 1 glaciers 2 lakes 3 ice caps 4 clouds 5 soil 6 rivers 7 oceans 8 seas

Your Five Senses

Activity Book Answers

Page 3 1 1 five 2 eyes 3 taste 4 nose 5 touch 6 hearing 2 1 taste
2 sight 3 hearing 4 touch 5 smell

Page 4 1 1 photo 2 lamp 3 rainbow 4 eye 5 traffic lights 6 sun
2 1 true 2 false 3 true 4 true 5 false 6 false 7 true 8 true

Page 5 1 free answers (see photo on p.6 of Reader) 2 1 Light reflects off an object. 2 Light enters the eye and goes through a lens. 3 The lens focuses the light on the retina. 4 The retina has millions of optic cells. 5 The optic nerve collects the information. 6 Then the optic nerve takes the information to the brain.

Page 6 1 1 Loud sounds: jet plane, motorcycle. Soft sounds: wind chimes, clock. High sounds: whistle, flute. Low sounds: tuba, bass drum 2 1 hearing 2 hear 3 listen 4 soft 5 low

Page 7 1 1 vibrations 2 ear canal 3 eardrum 4 ossicles 5 cochlea
6 auditory 2 1 Some people don't hear well. 2 A hearing aid makes sounds louder. 3 A cochlear implant detects sounds with a microphone. 4 The microphone sends electrical signals.

Page 8 1 1 pizza 2 perfume 3 flowers 4 cookies 5 food waste
6 bad eggs 2 1 Yes, it does. 2 Yes, it does. 3 No, they don't. 4-6 free answers (Yes, I do. / No, I don't.)

Page 9 1 1 particles 2 nostrils 3 nasal passages 4 cells 5 nerve
2 1 true 2 true 3 true 4 false 5 true 6 false

Page 10 1 Sweet: sugar, honey. Sour: lemon juice. Savory: French fries. Salty: salt. Bitter: orange peel 2 1 tongue 2 sugar 3 natural yogurt 4 salt 5 savory 6 marmalade

Page 11 1 1 bumps 2 taste buds 3 tongue 4 tastes 5 quickly
2 1 You touch food with your tongue. 2 Your tongue has about 10,000 taste buds. 3 Your taste buds detect tastes. 4 Your taste buds get old quickly. 5 Your tongue grows new taste buds. 6 Your senses of taste and smell work together.

Page 12 1 1 Sandpaper feels rough. 2 A feather feels soft. 3 Ice cream feels cold. 4 A rock feels hard. 5 Fire feels hot. 6 Glass feels smooth.
2 1 skin 2 textures 3 safe 4 fingers

Page 13 1 1 hands 2 face 3 feet 4 neck 5 brain 2 Suggested answers:
1 There are millions of nerve endings under my skin. 2 They send information to my brain. 3 My face, neck, hands, and feet are very sensitive. 4 Because my nerve endings don't work very well when it's cold. 5 They tell my brain that I am in danger. 6 My senses give me information about the world around me.

Pages 14–15 1 1 five 2 eyes 3 taste 4 nose 5 touch 6 hearing 2 1 eye
2 salt 3 skin 4 whistle 5 flowers 6 tongue 7 hearing aid 8 meat 9 fire 10 sugar 11 brain 12 pizza 13 perfume 14 traffic lights 3 1 ossicles, page 10 2 nerve endings, page 22 3 coffee, page 17 4 skunk, page 13 5 prism, page 5 6 sandpaper, page 21 7 taste buds, page 18 8 pupil, page 6 4 **Example answers** sight: I watch television. hearing: I listen to music. touch: My sweater feels soft. smell: I like the smell of cookies. taste: I like eating French fries.