KSSR SEMAKAN

SCIENCE

PRIMARY SCHOOL

ACTIVITY BOOK

YEAR 1



Name : .....

Year : .....

School : .....

Studio Cilik
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For parents and teachers

This book has Year 1 Science practice, following the topics of the Malaysian KSSR (2017 revision, aligned 3rd edition): living and non-living things, humans, animals, plants, magnets, absorption, the Earth and building basics. The first unit introduces science skills and the science room rules.

How to use this book

- Science is best done, not just read. Many activities can be tried at home: bring a magnet near things, drip water on cloth and plastic, look at a leaf through a magnifying glass.
- Each page names the Learning Standard (LS) it practises.
- i-Think maps (bubble maps, tree maps) help your child organise ideas.
- Colour the stars at the bottom of each page when your child feels they can do it. Activities with a yellow star are Challenge Time (higher-order thinking).
- Answers are in the Answers pages. For open questions, accept any sensible answer.

For teachers

You may print and copy this book for your pupils, free of charge. Scan the QR code on any page for more free activity books at studiocilik.my.

Contents

Colour a star each time you finish a unit.

1	Little Scientists	Page 4	☆☆☆
2	Living and Non-living Things	Page 7	☆☆☆
3	Humans: Our Senses	Page 11	☆☆☆
4	Animals	Page 15	☆☆☆
5	Plants	Page 19	☆☆☆
6	Magnets	Page 24	☆☆☆
7	Absorption	Page 27	☆☆☆
8	The Earth	Page 30	☆☆☆
9	Building Basics	Page 32	☆☆☆
★	Check Yourself	Page 34	☆☆☆

Unit 1 **Science skills** LS 1.1

A Classify: write or draw each thing in the right group.



Fruit	Animals

B Measure: how long is it? Count the paper clips.

1) 

☐ paper clips

2) 

☐ paper clips

C Observe: use a magnifying glass. Draw what you see on a leaf.



Date: _____

I can do it! ☆ ☆ ☆

Name: _____

Unit 1 Science room rules

LS 2.1

A Mark each one right or wrong.

	✓	✗
1) Go into the science room only when the teacher says so.	☐	☐
2) Run and play in the science room.	☐	☐
3) Eat and drink in the science room.	☐	☐
4) Follow the teacher's instructions during activities.	☐	☐
5) Taste chemicals to find out what they taste like.	☐	☐
6) Put things away after using them.	☐	☐
7) Tell the teacher if something breaks.	☐	☐
8) Wash your hands after an activity.	☐	☐

B Draw yourself following a science room rule.

Date: _____

I can do it! ☆ ☆ ☆

Name: _____

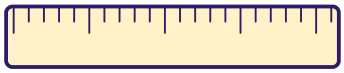
Unit 1 Science tools

LS 1.2

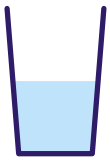
A Match each tool to what it is for.



magnifying glass



ruler



beaker

- looking at small things
- measuring length
- holding water

B Fill in with the words in the box.

1) I _____ ants with a magnifying glass.

2) I _____ the table with my hand span.

3) I _____ fruit by colour.

sort observe measure

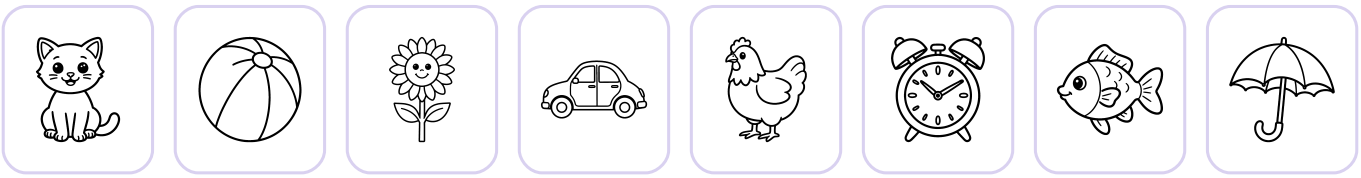
Date: _____

I can do it!

Name: _____

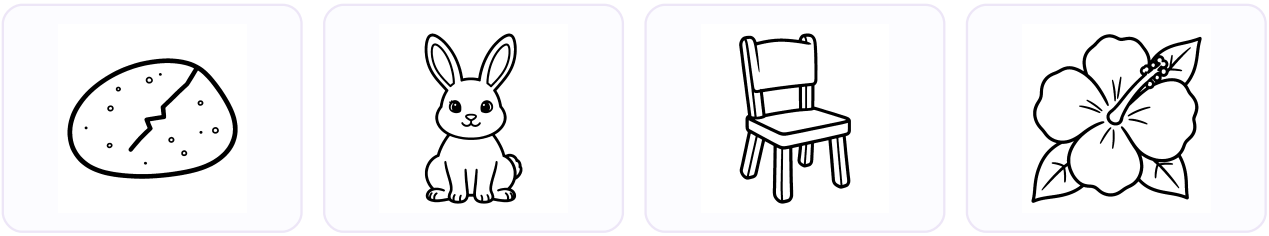
Unit 2 **Living or non-living?** LS 3.1.1

A Write or draw each thing in the right group.



Living things	Non-living things

B Circle the living things.



Date: _____

I can do it! ☆ ☆ ☆

Name: _____

Unit 2 **What living things do** LS 3.1.1

A Put a tick if yes and a cross if no.

	breathes	needs food and water	moves	grows	reproduces
 cat	☐	☐	☐	☐	☐
 sunflower	☐	☐	☐	☐	☐
 car	☐	☐	☐	☐	☐
 ball	☐	☐	☐	☐	☐

B Fill in the blanks.

1) A car can move, but a car is a _____ thing.

2) Plants move slowly towards the _____ of the sun.

3) A kitten _____ into a cat.

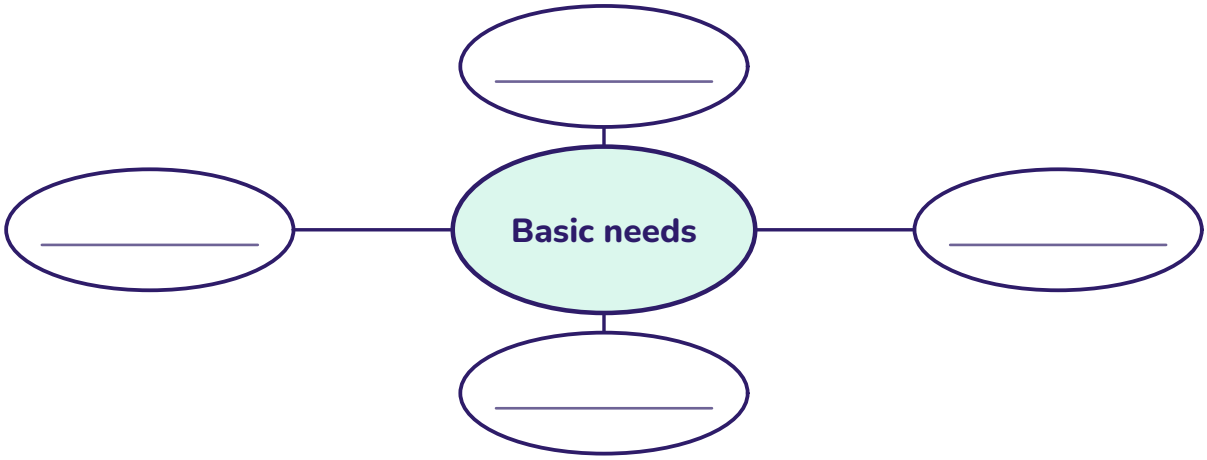
Date: _____

I can do it! ☆ ☆ ☆

Name: _____

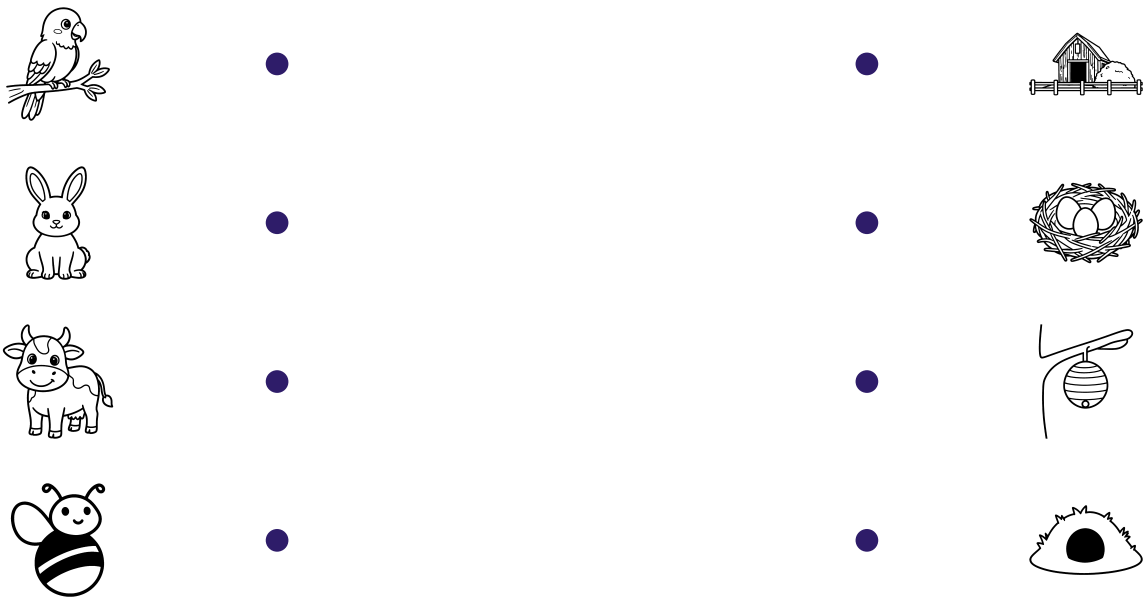
Unit 2 **What living things need** LS 3.2.1, 3.2.2

A Complete the bubble map: what do people and animals need?



water shelter food air

B Match each animal to its shelter.



Date: _____

I can do it! ☆☆☆

Name: _____

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Unit 2 **Why do we need them?** LS 3.2.3, 3.2.4

A Fill in the blanks.

1) Food gives us _____ to play.

2) We drink _____ when we are thirsty.

3) We breathe to take in _____.

4) A house keeps us safe from _____ and heat.

B Circle the answer.

1) Plants make their own food with the help of

◯ sunlight ◯ the moon ◯ the stars

2) Fish get their air from

◯ sand ◯ water ◯ stones

Challenge Time: What will happen if the plant at your home gets no water for a week?

_____

_____

Date: _____

I can do it! ☆☆☆

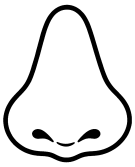
Name: _____

Unit 3 **Five senses** LS 4.1.1

A Match each body part to its sense.











taste

sight

touch

hearing

smell

B Fill in the blanks.

1) We see with our _____.

2) We hear with our _____.

Date: _____

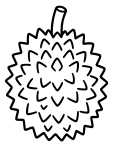
I can do it! ☆☆☆

Name: _____

Unit 3 Which sense?

LS 4.1.1, 4.1.2

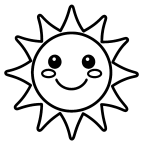
A Which sense do you use?

1)  We smell a durian with our _____.

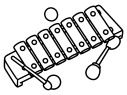
2)  We hear the alarm clock with our _____.

3)  We taste a sweet ice cream with our _____.

4)  We feel a rabbit's soft fur with our _____.

5)  We see a rainbow's colours with our _____.

B Sort by the sense you use most.

hearing	smell	taste	sight

Date: _____

I can do it! ☆☆☆

Name: _____

Unit 3 **The mystery box** LS 4.1.2

Aina's investigation

Aina closes her eyes. The teacher puts something in a box. Aina puts her hand inside. The thing is round, hard and covered in sharp spikes. Then Aina smells it. The smell is very strong!

A Answer the questions.

1) The first sense Aina uses is

◯ **touch** ◯ **hearing** ◯ **taste**

2) Then Aina uses her sense of

◯ **sight** ◯ **smell** ◯ **taste**

3) The thing in the box is

◯ **an apple** ◯ **a durian** ◯ **a ball**

B Draw the thing in the box.

Date: _____

I can do it! ☆ ☆ ☆

Name: _____

Unit 3 When one sense does not work

LS 4.1.3

A Fill in the blanks.

1) Blind people read Braille using their sense of _____.

2) Blind people know their friends' voices using their sense of _____.

3) Deaf people understand sign language using their sense of _____.

4) When we have a cold, our nose is blocked. We cannot _____ our food well.

Challenge Time: True or false?

	✓	✗
1) We should take good care of our senses.	☐	☐
2) It is safe to look straight at the sun.	☐	☐
3) Music that is too loud can hurt our ears.	☐	☐

Date: _____

I can do it! ☆☆☆

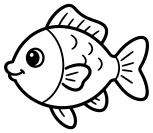
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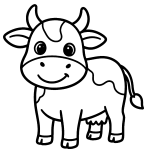
Unit 4 Parts of an animal's body

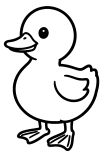
LS 5.1.1

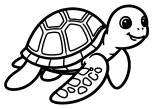
A Match each animal to a part of its body.

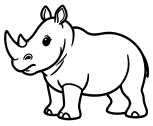


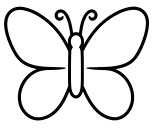












- shell
- horns
- antennae
- beak
- webbed feet
- fins
- horn

Date: _____

I can do it! ☆☆☆

Name: _____

Unit 4 **Find the body part** LS 5.1.1

A **Circle the animals that have the part. There is more than one answer.**

1) feathers



2) fur



3) scales



4) hard skin



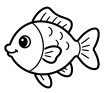
Date: _____

I can do it! ☆☆☆

Name: _____

Unit 4 **A body parts table** LS 5.1.1, 5.1.2

A **Put a tick for each part the animal has.**

	beak	scales	fins	feathers	tail
 fish	☐	☐	☐	☐	☐
 eagle	☐	☐	☐	☐	☐
 cow	☐	☐	☐	☐	☐
 duck	☐	☐	☐	☐	☐

B **Fill in the blanks.**

1) **Cows, horses and goats are different animals, but they all have a _____ .**

2) **Eagles, ducks and parrots all have a _____ .**

Date: _____

I can do it! ☆☆☆

Name: _____

Unit 4 **What the parts are for** LS 5.1.2

A Match each part to what it does.

horns	●	●	paddling in water
fins	●	●	picking up food
wings	●	●	fighting off danger
webbed feet	●	●	flying
shell	●	●	protecting a soft body
beak	●	●	swimming in water

Challenge Time: Why can a duck swim fast but a chicken cannot?

_____

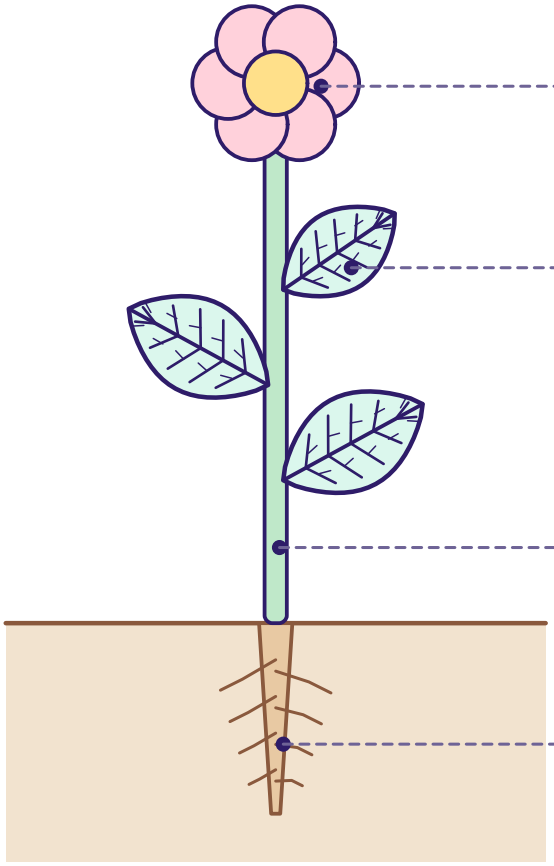
_____

Date: _____ I can do it! ☆☆☆

Name: _____

Unit 5 **Parts of a plant** LS 6.1.1

A Label the parts of the plant.



_____

_____

_____

_____

root flower stem leaf

B Fill in the blanks.

Hibiscus, roses and chrysanthemums are different plants, but they all have _____ .

Date: _____

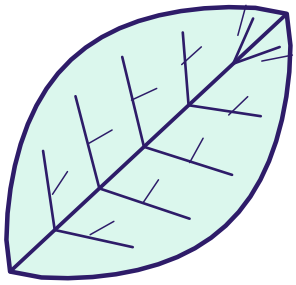
I can do it! ☆☆☆

Name: _____

Unit 5 **Leaf veins** LS 6.1.1

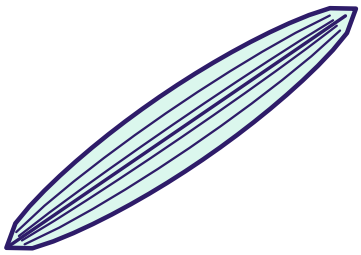
A **Look at leaf A and leaf B. Write the kind of veins.**

A



_____

B



_____

parallel veins network veins

B **Sort the plants by their leaf veins.**

grass	hibiscus	rice	mango tree	maize	rambutan tree

parallel veins	network veins

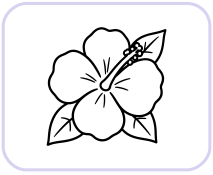
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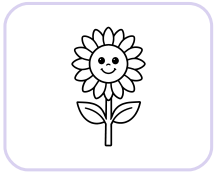
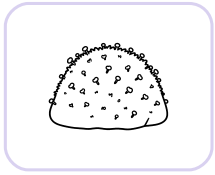
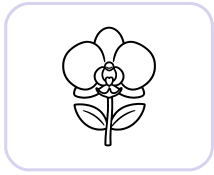
I can do it! ☆ ☆ ☆

Name: _____

Unit 5 Flowering or non-flowering? LS 6.1.1

A Write or draw each plant in the right group.




Flowering plants	Non-flowering plants

B Circle the answer.

A flower will become

◯ a root ◯ a fruit ◯ a stem

Date: _____

I can do it! ☆ ☆ ☆

Name: _____

Unit 5 **Stems and roots** LS 6.1.1

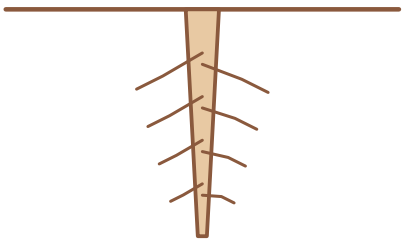
A Sort the plants by their stems.

durian tree	spinach	rambutan tree	water spinach	teak tree	mustard greens

woody stems	non-woody stems

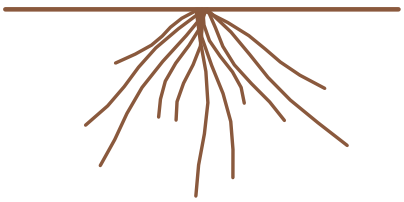
B Name the kinds of roots, A and B.

A



_____

B



_____

fibrous roots tap root

Date: _____

I can do it!

Name: _____

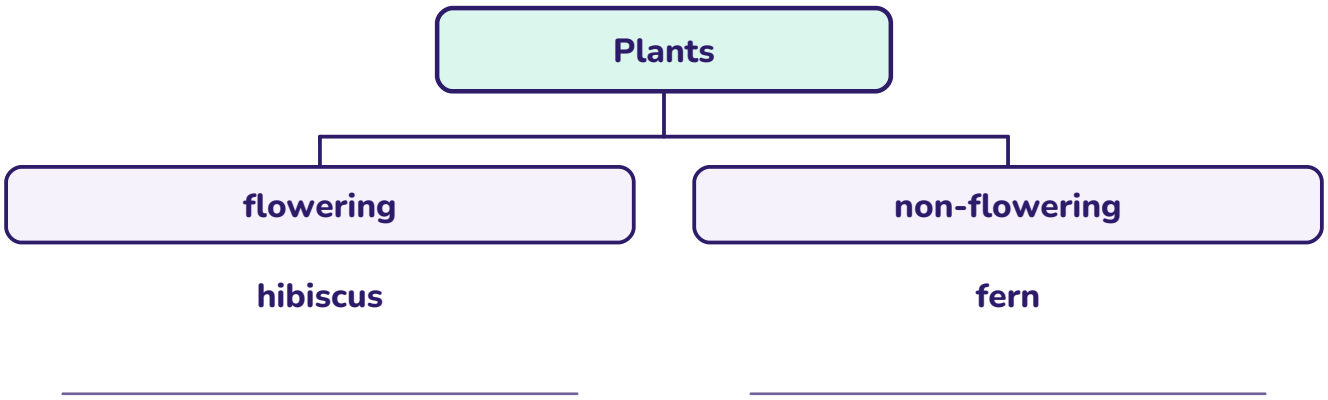
Unit 5 What plant parts do

LS 6.1.1

A Match each part to what it does.

root	●	●	makes food
stem	●	●	takes in water from the soil
leaf	●	●	turns into fruit and seeds
flower	●	●	holds the plant up

B Complete the tree map about plants.



Date: _____

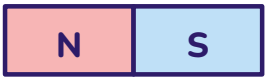
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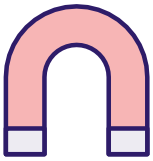
Name: _____

Unit 6 Magnets around us

LS 7.1.1

A Match each magnet to its name.





- horseshoe magnet
- bar magnet

B Is a magnet used here? True or false?

	✓	✗
1) A fridge door stays shut with a magnet.	☐	☐
2) A magnet fishing game.	☐	☐
3) An eraser rubs out pencil with a magnet.	☐	☐
4) A compass points the way with a magnetic needle.	☐	☐

C Draw something at home that uses a magnet.

Date: _____

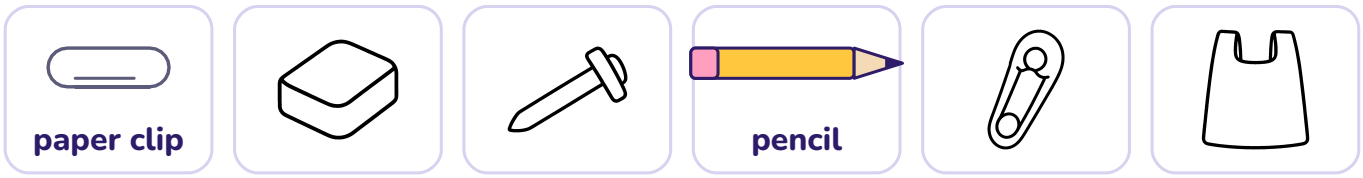
I can do it! ☆☆☆

Name: _____

Unit 6 Pulled or not?

LS 7.1.2

A Bring a magnet near each thing. Write it in the right group.



Pulled by a magnet	Not pulled by a magnet

B Fill in the blanks.

1) A magnet pulls things made of _____.

2) A magnet does not pull paper, wood or _____.

Date: _____

I can do it! ☆☆☆

Name: _____

Unit 6 Magnet poles

LS 7.1.3

A Write "attract" or "repel".

1) 

_____

2) 

_____

3) 

_____

B Fill in the blanks.

1) Like poles _____ each other.

2) Unlike poles _____ each other.

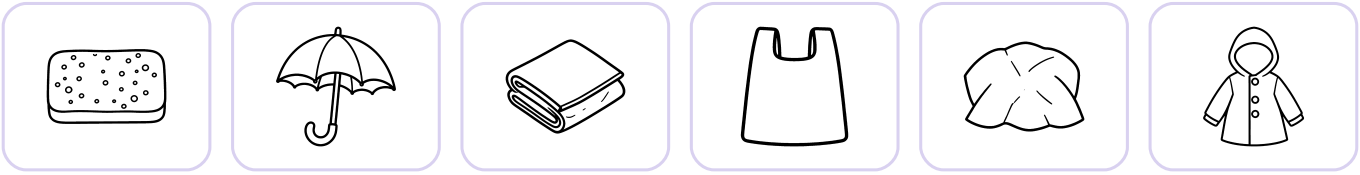
Date: _____

I can do it! ☆ ☆ ☆

Name: _____

Unit 7 **Does it soak up water?** LS 8.1.1, 8.1.2

A **Drip water on each thing. Write it in the right group.**



Soaks up water	Does not soak up water

B **Ravi's test: put a tick if the material soaks up water.**

Material	Soaks up water?
cotton cloth	☐
aluminium foil	☐
newspaper	☐
glass plate	☐

Date: _____

I can do it! ☆☆☆

Name: _____

Unit 7 Why absorption matters

LS 8.1.3

A Write "soaks up" or "does not soak up".

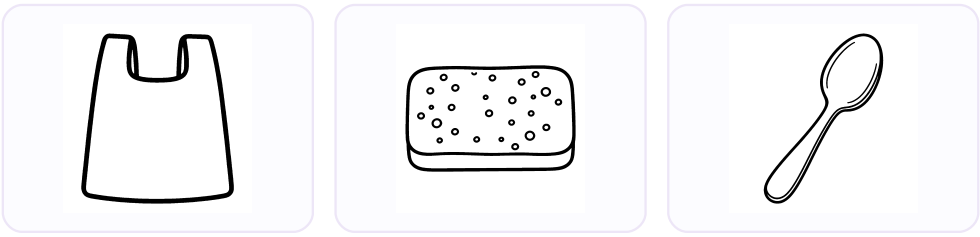
1) We dry ourselves with a towel because a towel _____ water.

2) An umbrella is made of cloth that _____ water.

3) A baby's nappy _____ wee.

4) Rain boots _____ water, so our feet stay dry.

B Circle the best thing to wipe up spilt water.



Date: _____

I can do it! ☆ ☆ ☆

Name: _____

Unit 7 Design a mini mop

LS 8.1.4

A Choose the material for the mop head.

A good mop head is made of

- ◯ old cloth
- ◯ plastic
- ◯ wood

B Draw your mini mop. Label the materials you used.

Date: _____

I can do it! ☆ ☆ ☆

Name: _____

Unit 8 Landforms

LS 9.1.1

A Read the names of the landforms.

1. sea
2. hill
3. river
4. mountain
5. lake
6. beach
7. pond
8. valley

B Write the number of the right name in the box.

1) 

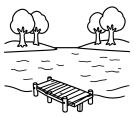
2) 

3) 

4) 

5) 

6) 

7) 

8) 

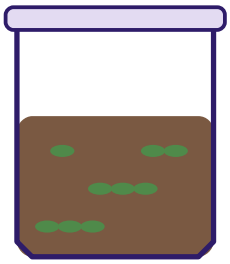
Date: _____

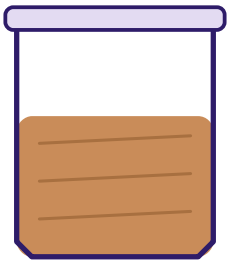
I can do it!

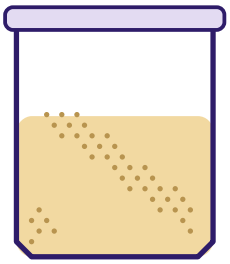
Name: _____

Unit 8 **Soil** LS 9.2.1, 9.2.2

A **Look at the three kinds of soil. Write their names.**

A 

B 

C 

_____ _____ _____

sand garden soil clay

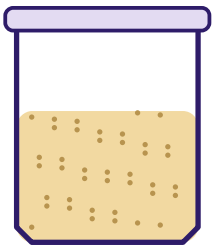
B **Fill in the blanks.**

1) _____ soil has rotting leaves and twigs. Plants grow well in it.

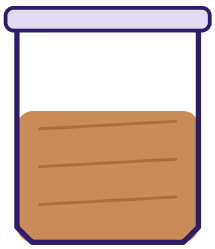
2) There is a lot of _____ at the beach.

3) _____ is sticky and good for making pots.

Challenge Time: Water is poured into sand and into clay. Which lets the water through fastest?



sand ○



clay ○

Date: _____ I can do it! ☆☆☆

Name: _____

Unit 9 Basic shapes and blocks

LS 10.1.1, 10.1.2

A Match each shape to its name.









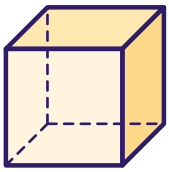
rectangle

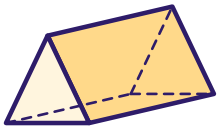
circle

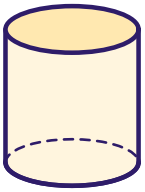
triangle

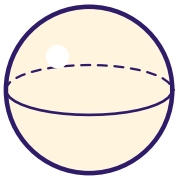
square

B Name each block.









_____ _____ _____ _____

sphere cube cylinder prism

Date: _____

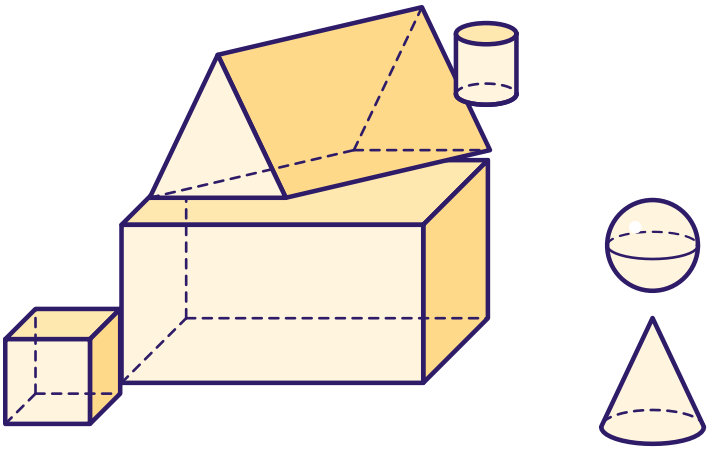
I can do it!

Name: _____

Unit 9 Build a model

LS 10.1.3

A This model house is built from blocks. Count each block.



cuboid: ☐

prism: ☐

cylinder: ☐

cube: ☐

cone: ☐

sphere: ☐

B Design and draw a bridge built from basic blocks.

Date: _____

I can do it! ☆ ☆ ☆

Name: _____

Check Yourself **Check Yourself: Living things** LS 3.0, 4.0, 5.0, 6.0

A Circle the answer.

1) A living thing is a

◯ **chair** ◯ **cat** ◯ **ball**

2) We smell flowers with our

◯ **ears** ◯ **tongue** ◯ **nose**

3) A fish swims with its

◯ **fins** ◯ **beak** ◯ **horns**

4) The part of a plant that takes in water is the

◯ **flower** ◯ **root** ◯ **leaf**

5) Rice plants have leaves with

◯ **parallel veins** ◯ **network veins**

B Sort them.






Has feathers	Has fur

Date: _____

I can do it! ☆ ☆ ☆

Name: _____

Check Yourself **Check Yourself: Materials and the Earth** LS 7.0, 8.0, 9.0, 10.0

A True or false?

	✓	✗
1) A magnet pulls a paper clip.	☐	☐
2) Two north poles attract each other.	☐	☐
3) A sponge soaks up water.	☐	☐
4) A plastic bag soaks up water.	☐	☐
5) A mountain is higher than a hill.	☐	☐
6) Clay is good for making pots.	☐	☐

B Circle the block named.

1) cylinder



2) pyramid



Date: _____

I can do it! ☆ ☆ ☆

Name: _____

Answers

Page 4

A Fruit: apple, banana, mangosteen Animals: cat, duck, fish

B 1) 6 paper clips 2) 4 paper clips

C (own answer)

Page 5

A 1) true 2) false 3) false 4) true 5) false 6) true 7) true 8) true

B (own answer)

Page 6

A magnifying glass – looking at small things
ruler – measuring length beaker – holding water

B 1) observe 2) measure 3) sort

Page 7

A Living things: cat, sunflower, chicken, fish
Non-living things: beach ball, car, alarm clock, umbrella

B 1) rabbit, hibiscus

Page 8

A cat: breathes, needs food and water, moves, grows, reproduces sunflower: breathes, needs food and water, moves, grows, reproduces car: moves

B 1) non-living 2) light 3) grows

Page 9

A food, water, air, shelter

B parrot – bird's nest rabbit – rabbit burrow cow – cowshed bee – beehive

Page 10

A 1) energy 2) water 3) air 4) rain

B 1) sunlight 2) water

★ the plant wilts and may die

Page 11

A eye – sight ear – hearing nose – smell tongue – taste skin (hand) – touch

B 1) eyes 2) ears

Page 12

A 1) nose 2) ears 3) tongue 4) skin 5) eyes

B hearing: xylophone smell: rose taste: orange sight: star

Page 13

A 1) touch 2) smell 3) a durian

B (own answer)

Page 14

A 1) touch 2) hearing 3) sight 4) smell

★ 1) true 2) false 3) true

Page 15

A eagle – beak fish – fins cow – horns duck – webbed feet sea turtle – shell rhinoceros – horn butterfly – antennae

Page 16

A 1) owl, peacock 2) tiger, rabbit 3) fish, snake 4) crab, sea turtle

Page 17

A fish: scales, fins, tail eagle: beak, feathers, tail
cow: tail duck: beak, feathers, tail

B 1) tail 2) beak

Page 18

A horns – fighting off danger fins – swimming in water wings – flying webbed feet – paddling in water shell – protecting a soft body beak – picking up food

★ a duck has webbed feet

Answers

Page 19

A flower, leaf, stem, root

B flowers

Page 20

A A: network veins, B: parallel veins

B parallel veins: grass, rice, maize network veins: hibiscus, mango tree, rambutan tree

Page 21

A Flowering plants: hibiscus, sunflower, orchid, rose Non-flowering plants: fern, moss

B 1) a fruit

Page 22

A woody stems: durian tree, rambutan tree, teak tree non-woody stems: spinach, water spinach, mustard greens

B A: tap root, B: fibrous roots

Page 23

A root – takes in water from the soil stem – holds the plant up leaf – makes food flower – turns into fruit and seeds

B e.g. sunflower; moss

Page 24

A bar magnet – bar magnet horseshoe magnet – horseshoe magnet

B 1) true 2) true 3) false 4) true

C (own answer)

Page 25

A Pulled by a magnet: paper clip, nail, safety pin
Not pulled by a magnet: eraser, pencil, plastic bag

B 1) iron 2) plastic

Page 26

A 1) attract 2) repel 3) repel

B 1) repel 2) attract

Page 27

A Soaks up water: sponge, towel, tissue Does not soak up water: umbrella, plastic bag, raincoat

B cotton cloth: yes aluminium foil: no
newspaper: yes glass plate: no

Page 28

A 1) soaks up 2) does not soak up 3) soaks up 4) do not soak up

B 1) sponge

Page 29

A 1) old cloth

B (own answer)

Page 30

A (own answer)

B 1) 4 (mountain) 2) 6 (beach) 3) 2 (hill) 4) 8 (valley) 5) 3 (river) 6) 7 (pond) 7) 5 (lake) 8) 1 (sea)

Page 31

A A: garden soil, B: clay, C: sand

B 1) Garden 2) sand 3) Clay

★ sand

Page 32

A triangle – triangle square – square rectangle – rectangle circle – circle

B cube, prism, cylinder, sphere

Page 33

A cuboid 1, prism 1, cylinder 1, cube 1, cone 1, sphere 1

Answers

B (own answer)

Page 34

A 1) cat 2) nose 3) fins 4) root 5) parallel veins

B Has feathers: owl, peacock Has fur: tiger, rabbit

Page 35

A 1) true 2) false 3) true 4) false 5) true 6) true

B 1) cylinder 2) pyramid



CERTIFICATE OF ACHIEVEMENT

Well done!

_____

Name

has finished

Science Activity Book Year 1

_____ _____

Date Signed