







THIS BOOK IS NOT FOR SALE



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Year:	
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Bahawasanya Negara Kita Malaysia mendukung cita-cita hendak:

Mencapai perpaduan yang lebih erat dalam kalangan seluruh masyarakatnya;

Memelihara satu cara hidup demokrasi;

Mencipta satu masyarakat yang adil di mana kemakmuran negara akan dapat dinikmati bersama secara adil dan saksama;

Menjamin satu cara yang liberal terhadap tradisi-tradisi kebudayaannya yang kaya dan pelbagai corak;

Membina satu masyarakat progresif yang akan menggunakan sains dan teknologi moden.

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KESETIAAN KEPADA RAJA DAN NEGARA
KELUHURAN PERLEMBAGAAN
KEDAULATAN UNDANG-UNDANG
KESOPANAN DAN KESUSILAAN

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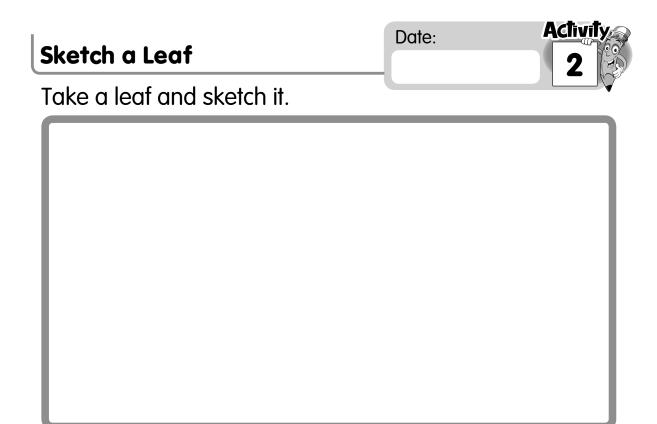
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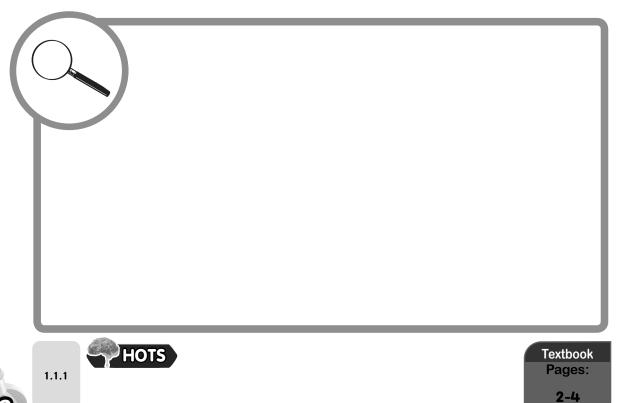
SCIENTIFIC SKILLS

Observe a Fi	ruit	Date:	Activity 1
Draw a fruit gi	iven by your teacher.		
Make an obse	ervation on the fruit.		
Shape):		
Colour	:		
Surface	:		
Smell):		
Taste):		
1.1.1		1	Textbook Pages:
			2-4

UNIT 1_BA.indd 1 11/9/2017 9:57:08 AM



Observe the same leaf using a magnifying glass and sketch it.



UNIT 1_BA.indd 2

Classify the Animals

Activity 3

Classify the following animals based on how they move. Cut and paste the pictures given.

Date:

A characteristic of the animals I have chosen.













A characteristic of the animals I have chosen.

Textbook Pages:

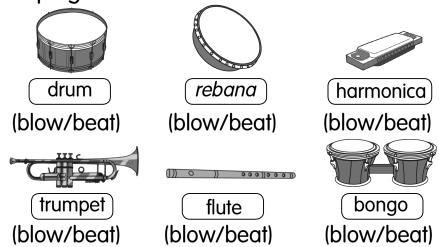
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3

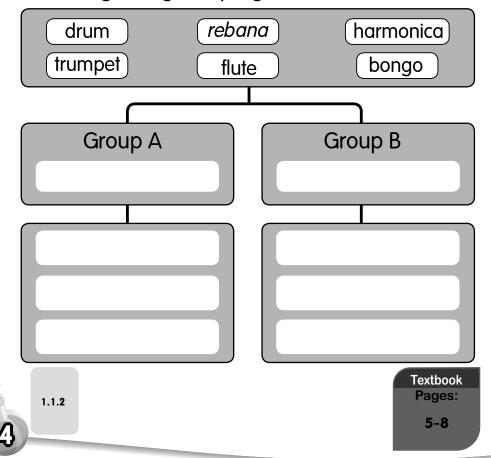
Identify Characteristics of Musical Instruments

Date: Activity

 Choose how the musical instruments are played.



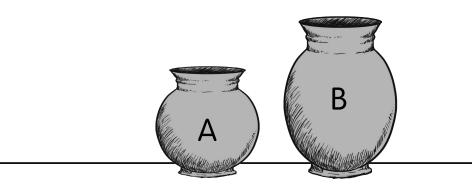
2. Classify the following instruments according to the ways they are played.



UNIT 1_BA.indd 4

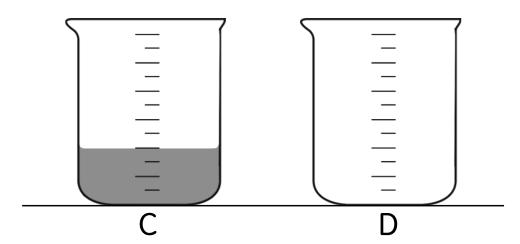
Which is More?





Jar A can be filled with 2 cups of water while Jar B can be filled with 4 cups of water.

- 1. Jar can be filled with more water than Jar.
- 2. Water from Jar A was poured into Beaker C to measure the volume. Then, water from Jar B was poured into Beaker D. Sketch the water level of Beaker D.



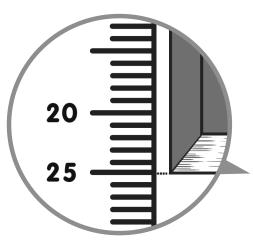
1.1.3

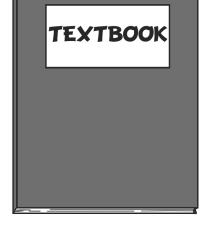
Textbook
Pages:
8-10

Standard Tools

Date: Activity 6

 The length of the textbook measured with the ruler is ____ cm.





2. Use a ruler to measure the AB line below.

Α ----- Β

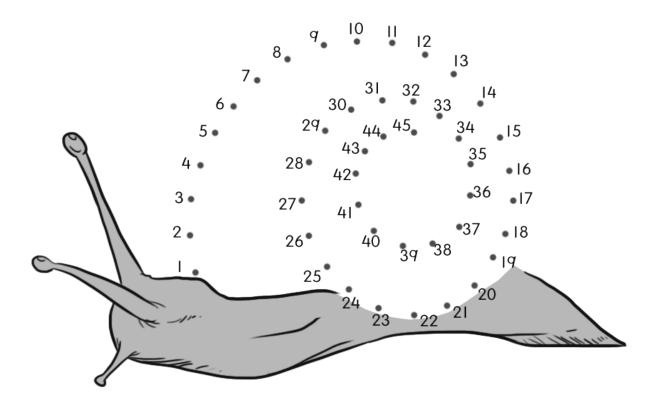
The length of the AB line is cm.

3. Use the ruler to draw a line of 10 cm long in the box below.

6

Textbook Pages: 8-10

Connect the dots to complete the image below.



a) What is the animal above?

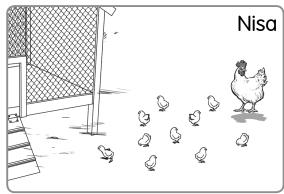
b) Give two characteristics of this animal.

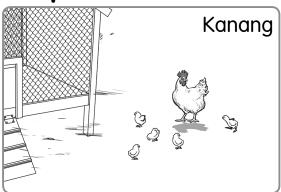
1.1.1 1.1.4 Textbook Pages: 2-4 10-11

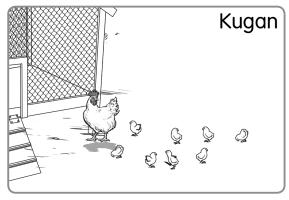
Complete a Table

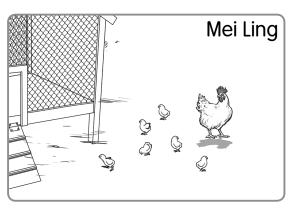
Date: Activity 8

Chicken Coop









Complete the table below with the owner's name. Colour the chicks according to the number of chicks shown in the picture above.

Chicken coop	Number of chicks
	2222222222
	222222222
	2222222222

3

Textbook Pages: 10-11

Sequencing an Investigation

Date



Number the correct sequence for the steps in a scientific investigation.

Observe the physical features of a hibiscus.

Clean the science apparatus after the activity.

Place the hibiscus on the tray.

Sketch the hibiscus correctly and carefully.

Rewrite the investigation steps in the correct order.

1._____

2.____

3._____

4.____

1.2.1 1.2.2 1.2.3 Textbook Pages:

12-14

Manipulative Skills

Date:



Match the manipulative skills practised by the pupils in the pictures below.

Store science apparatus and substances correctly and safely.

Clean science apparatus correctly.

Handle specimens correctly and carefully.

1.



2.



3.

1.2.1 1.2.2 1.2.4 1.2.5



Textbook Pages:

12-14

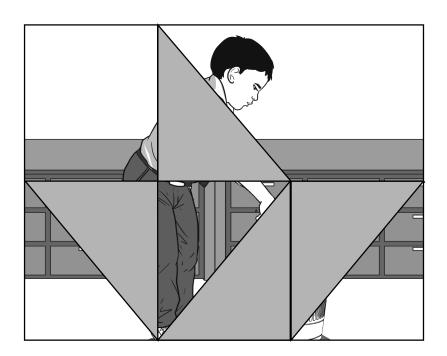
SCIENCE ROOM

Identify the Rules

Date:

Activity

Cut the pictures shown on your right. Paste them in the spaces provided.



Based on the picture, what is the Science Room Rule?

We should dispose

into

2.1.1

Textbook Pages: 18-21

Science Room Rules

Date:

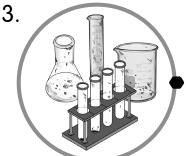
Activit

Observe the objects below. Match the Science Room Rules to the suitable objects.

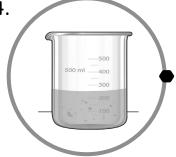
1.







4.



Dispose liquid

wastes into the sink.

Clean all tools and

apparatus after using them.

Leave the bags outside the Science Room.

Only bring in your books and stationery.

Dispose all solid wastes

and litter into the waste basket.

> Textbook Pages:

18-21

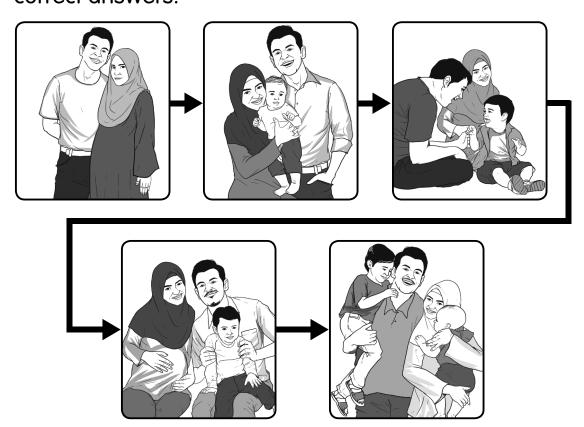
HUMANS

Human Reproduction

Date::

Activity 1

Observe the pictures. Then, fill in the blanks with the correct answers.



How do humans reproduce? Humans reproduce by

g v n b t

3.1.1

Textbook Page: 24

Our Growth

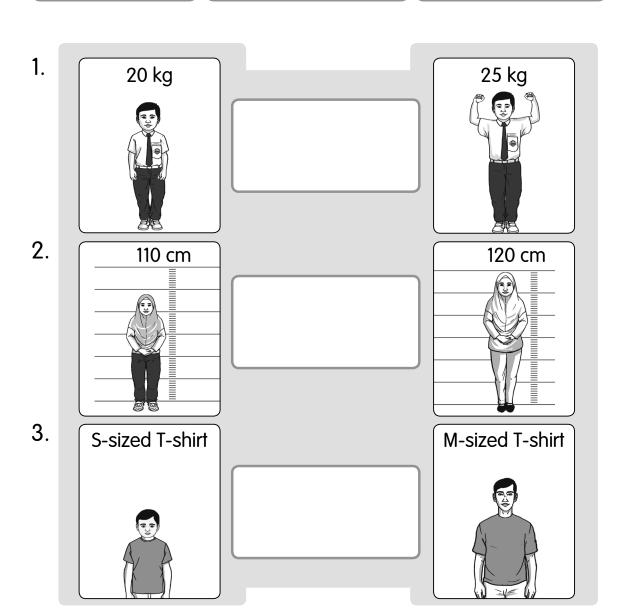
Date: Activity 2

Write the changes in an individual since birth.

increase in size

increase in weight

increase in height



14

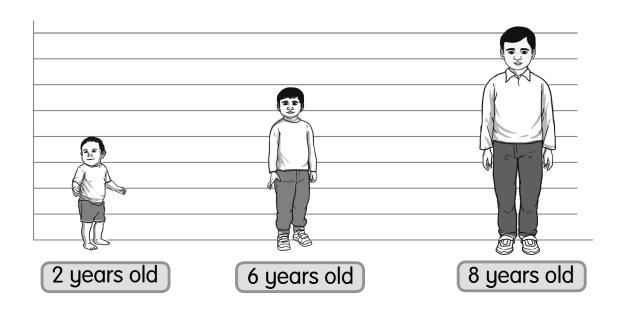
3.1.2

Textbook
Pages:
25-27

Kugan's Growth

Date: Activity

Observe the changes in Kugan's growth. Colour the correct answers.



- 1. Kugan increased in size shape.
- 2. Kugan became shorter taller.
- 3. Kugan became lighter heavier.

Fill in the blanks.

Since birth, we have experienced changes in , and .

3.1.2

Textbook Pages: 25-27

Date:	Activity
	4



I Investigate >>> Measuring Weight and Height, and Observing Size of Shoes

Apparatus and Materials

- wall ruler
- weighing scale
- shoes

Steps

- Weigh yourself and your friends using a weighing scale.
- 2. Measure yourself and your friends' height using a wall ruler.
- 3. Observe yours and your friends' shoe size.
- 4. Record the observation in the table below.

Name	Weight (kg)	Height (cm)	Shoe size

Fill in the blanks with your friends' name.

1.	- 	is the heaviest and	
	is the lightest.		
2.		is taller than	, but is
	shorter than	··································	
3.		shoe size is the biggest.	
		shop size is the smallest	

Human growths are (the same/different) among individuals although their ages are (the same/different).

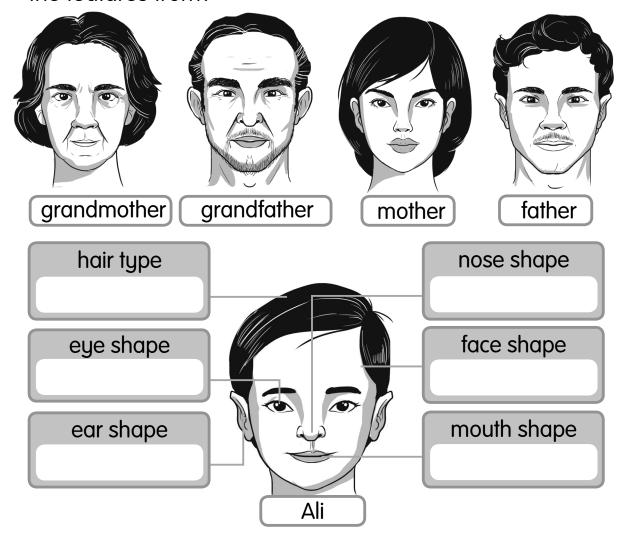
3.1.3

Textbook Pages: 28-30

Let's Compare

Date: Activity
5

Observe the features of Ali's face. Who did he inherit the features from?



- 1. Ali's ear shape is inherited from his ______.
- 2. His face shape is similar to his ______.
- 3. His nose shape is inherited from his ______.

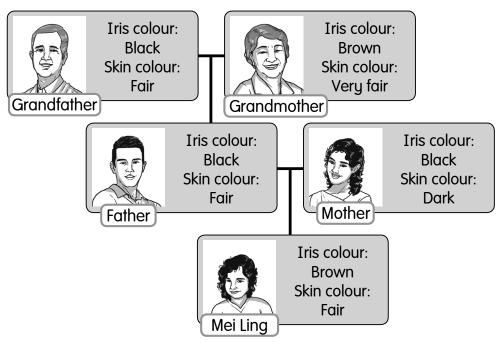
3.1.4

Textbook
Pages:
28-30

Mei Ling's Family Features

Date: Activity 6

Observe the chart below.



Colour the features inherited by Mei Ling.

- 1. Mei Ling has straight curly hair type which is inherited from her mother father grandmother
- 2. Mei Ling's skin iris colour is similar to her grandmother's.
- 3. Mei Ling's skin colour is as fair as her mother's father's grandmother's.

Offspring inherit features from their mother, father or sister uncle ancestors.

3.1.4 3.1.5 Textbook Pages: 30-32

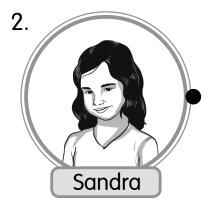
Inherited Features

Activit Date:

Match the hair type inherited from the respective family member.













3.1.5

Textbook Pages: 30-33



What are My Inherited Features?

Date:	Activity
	8

Paste your picture in the space provided.	Tick (✓) the
features you inherited from your mother,	father
or ancestors.	

Pupil's name:	

Inherited features	Mother	Father	Grandmother	Grandfather
Hair type				
Face shape				
Ear shape				
Mouth shape				
Hair colour				
Iris colour				
Nose shape				
Skin colour				

3.1.6

HOTS

Textbook Pages: 30-33



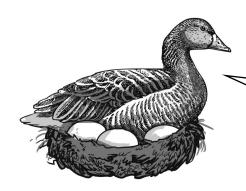
ANIMALS

Animal Reproduction

Date:

Activity 1

Fill in the blanks with the correct answers.



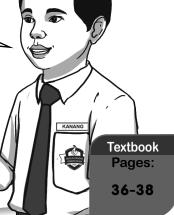
I am a duck. I reproduce by



I am a hamster. I also reproduce. I reproduce by

Animals reproduce by

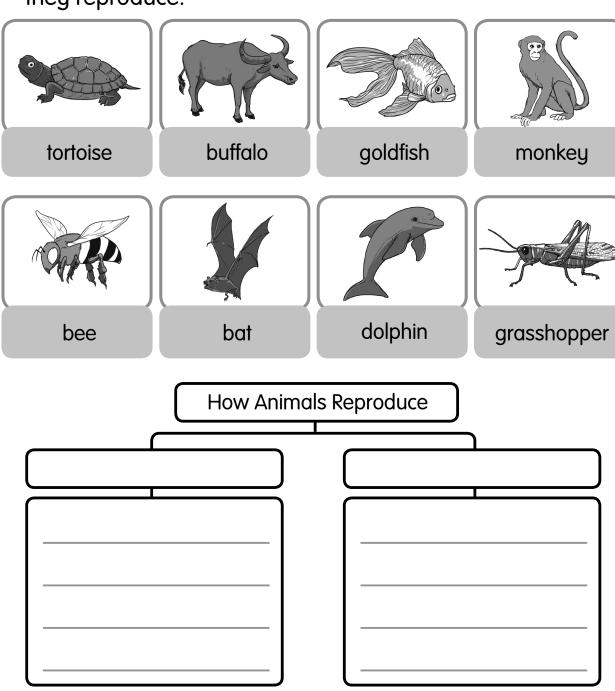
or



Lay Eggs and Give Birth

Date: Activity
2

Classify the following animals based on how they reproduce.



22

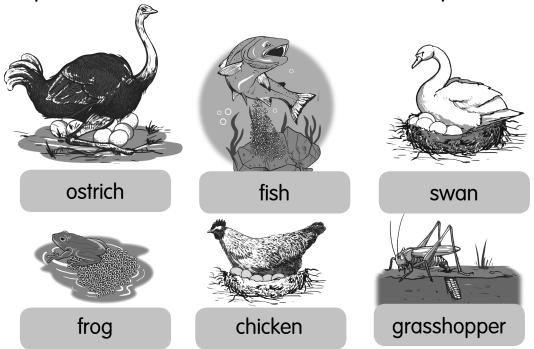
4.1.2

Textbook
Pages:
36-38

A Few and Many

Date: Activity

Complete the sentences below based on the pictures.



1. There are animals that lay many eggs, such as

_____, and _____.

3. Animals that lay eggs protect their eggs from
_____ (other animals/parents). These animals look after their eggs until the eggs are (born/hatched).

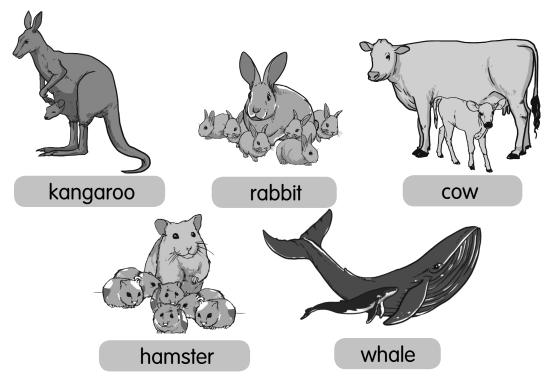
4.1.3

Textbook Pages: 39-40

The Young of Animals

Date: Activity

Complete the sentences below based on the pictures.



- 2. There are also animals that give birth to many young such as _____ and _____.
- 3. Animals that give birth ______ (take care of/ignore) their young.

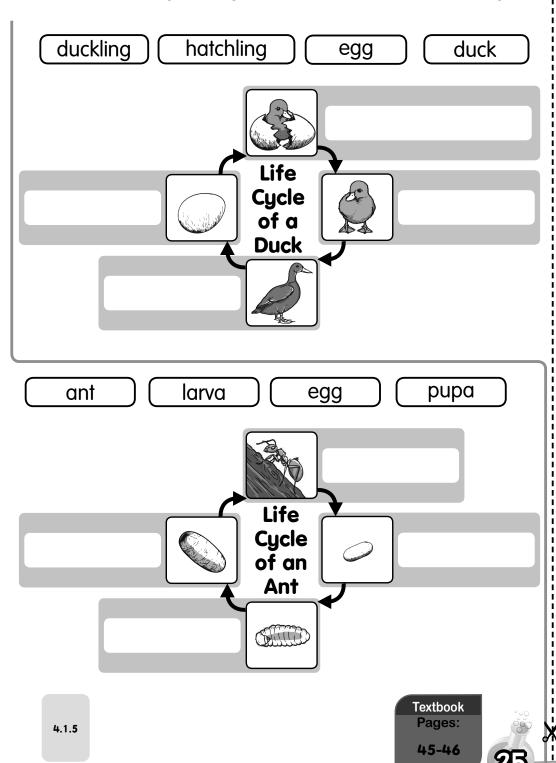
24

Textbook
Pages:
41-42

Recognise the Life Cycle

Date: Activity 5

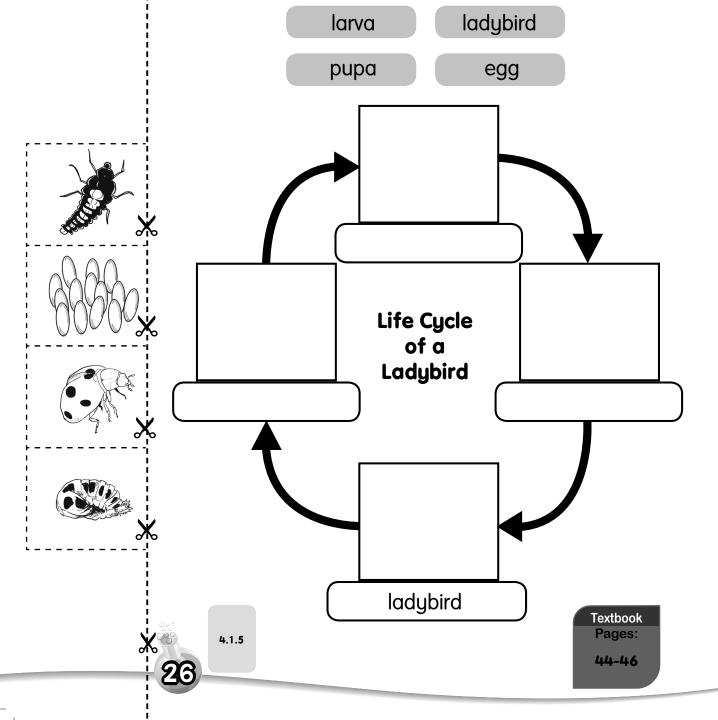
Write the stages of growth in the animals' life cycle.



Life Cycle of a Ladybird



Cut and paste the pictures of a ladybird's life cycle in the space provided. Then, write the growth stages of the animal.



Life Cycle of a Moth

Date: Activity 7

Complete the life story of a moth. Colour the correct answers.

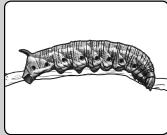
1.

I was a moth egg. I changed according to my

growth stages

environment

2.



Then, I changed into a

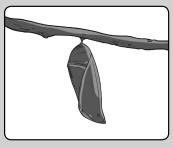
larva

pupa

moth

I did not look like looked like my parents.

3.



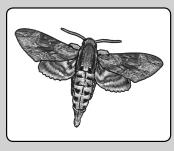
After that, I became a

larva

pupa

moth

4.



Finally, I changed into a

larva

pupa

moth

Now, I have wings and can fly like my parents.

4.1.5

Textbook Pages:

44-45

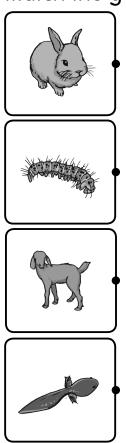
27

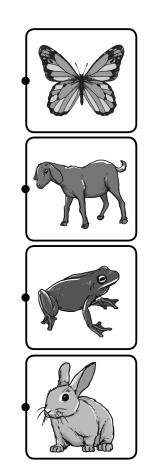
Match Us

Date: Activity
8

Help these young to find their parents.

1. Match the young to their parents.





2. List the young of animals correctly.

Young of Animals	
Look like their parents	Do not look like their parents

28



Textbook Pages: 43-45

PLANTS

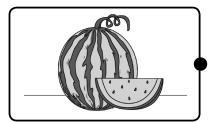
Plants and Their Importance

Date:

Activity 1

Match the pictures to their importance.

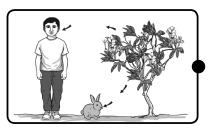
1.



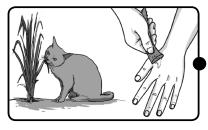
2.



3.



4.



habitat

food

medicine

air to breathe

5.1.1

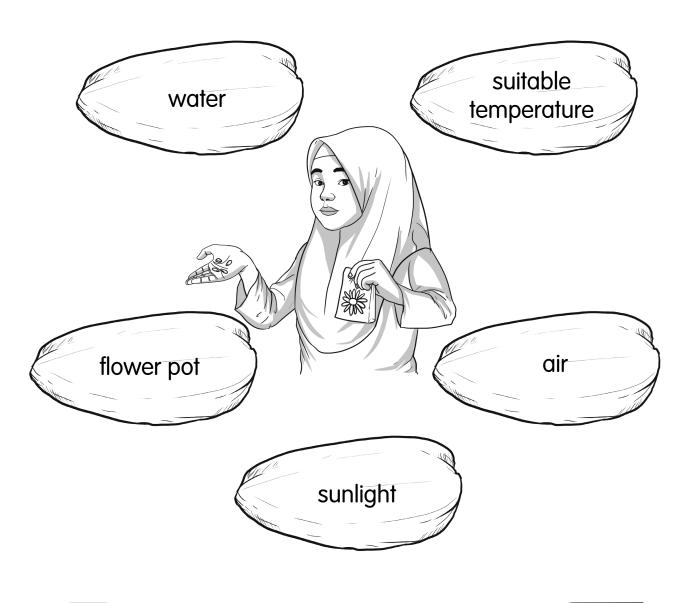
Textbook Page: 50



Basic Needs for Seeds to Germinate



Lisa wants to plant some sunflower seeds. Help Lisa by colouring the basic needs for the seeds to germinate.



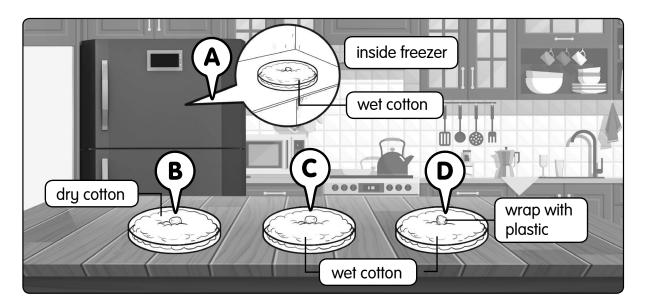
30

Textbook Page: 51

Which is a Suitable Place?

Date:	Activity
	3

Amir soaked some corn seeds in water for a day. Then, he put the corn seeds in three places. He observed the changes to the seeds after a week.



Observe the picture above. Answer the following questions.

- 1. Seed A _____ germinate because it did not get _____
- 2. Seed B ______ germinate because it did not get _____.
- 3. Seed D _____ germinate because it did not get _____.
- 4. Seed C ______ because it gets ______, and _____.

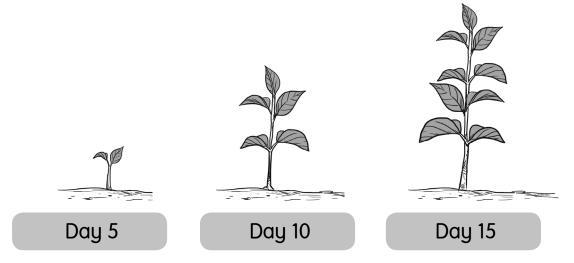
5.1.2

Textbook
Page:
51

Record the Growth of a Plant

Date: Activity

Observe the growth of the plant below.



Complete the table below.

Day	5	10	15
Size of leaf		Moderate	
Circumference of stem			Big
Number of leaves			
Height of plant	Short		

Fill in the blanks with the correct answers.

As a plant grows, it will increase in the		
of leaves,	of leaf,	
of stem, and	of plant.	

32

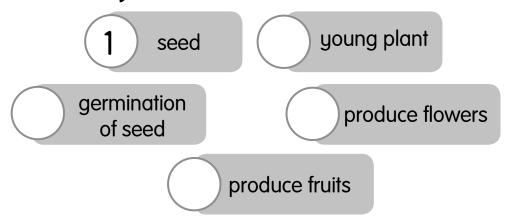
5.1.3

Textbook
Pages:
52-53

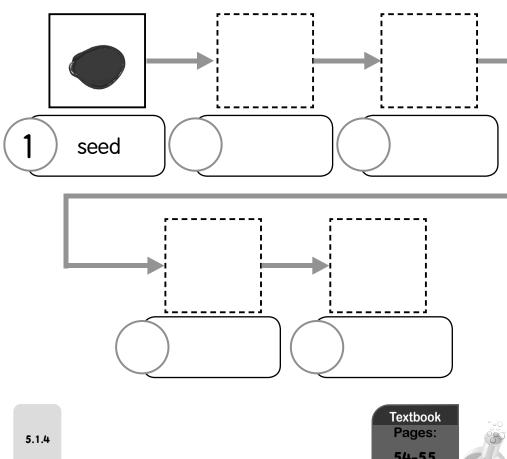
Growth Stages of a Plant

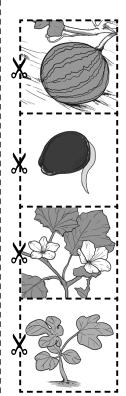
Activit Date:

Number the growth stages of the plant in a correct sequence.



Cut, paste, and write the growth stages of a plant.



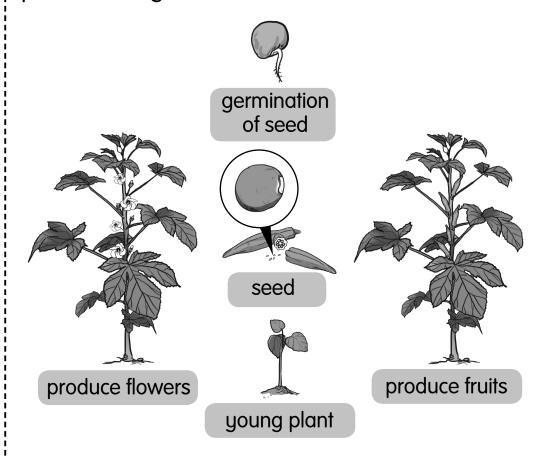


54-55

Observing the Growth of an Okra Plant

Date:	Activity 6

Arrange the growth stages of the okra plant correctly.



The growth stages of the okra plant are		
	·	,
	· · · · · · · · · · · · · · · · · · ·	,
and		

34

5.1.4

Textbook
Pages:
54-55

Date:	Activity
	7



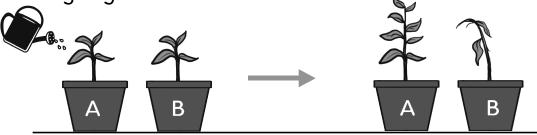
I Investigate >> Observing the Basic **Needs of a Plant**

Apparatus and Materials

- plants A and B of the same type and size
 - water

Steps

1. Place plants A and B outside the classroom. Water plant A every day.



first day

seventh day

2. Complete the table with your observation on the number of leaves after 7 days.

Plant	Number	of leaves
Plant	First day	Seventh day
Plant A (watered)	4	
Plant B (not watered)	4	

Questions

1.	Which	plant	grows	better?	Why?
----	-------	-------	-------	---------	------

Plant _____ because ____

2. Complete the statement below.

_____, and

are the basic needs for a plant's growth.



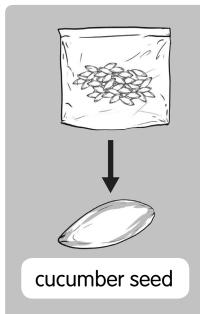
5.1.5

Textbook Pages: 56-58

My Cucumber Plant

Date: Activity 8

Write the basic needs for cucumber seeds to germinate and grow well.



The cucumber seed will germinate if it is removed from the plastic bag because seeds need

Seeds also need



) and suitable 🔏



___ to germinate.



After it germinates, the young cucumber plant needs air,

, and

for growth.

The young cucumber plant also

needs _____

FERTILIZER .

33

5.1.6

Textbook Pages:

57-58

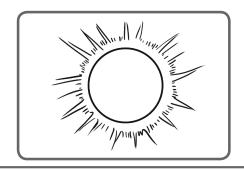
LIGHT AND DARK

Identifying Sources of Light

Date:

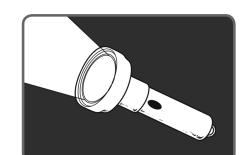


Observe the pictures and state the sources of light.









The sources of light are ______, _____, and .

6.1.1

Textbook Pages:

62-63

Date:	Activity
	2



I Investigate >> Comparing Sketches of the Hibiscus

Apparatus and Materials

• hibiscus

- eye cover
- pencil

Steps

- 1. Draw a hibiscus in box A.
- 2. Cover your eyes and draw a hibiscus in box B.

A	В

Questions

Answer the following questions based on your drawings.

- 1. The hibiscus could be sketched _____ when it is bright.
- 2. The hibiscus could not be sketched properly in the
- 3. The sketch of the hibiscus in box _____ is better than the sketch of the hibiscus in box _____.





Textbook Pages: 64-65

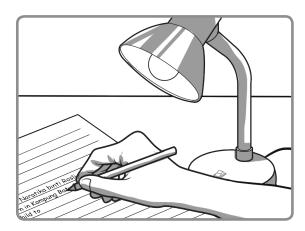
Compare Light and Dark

Date: Activity

Compare the situations below.

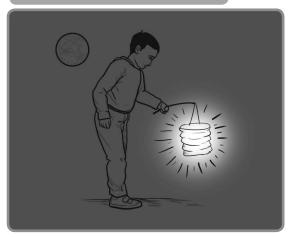
Writing





Writing can be more presentable when it is _____ compared to when it is dark.

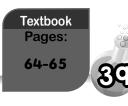
Playing with a lantern





The lantern is more attractive when it is played in the _____ compared to when it is bright.

6.1.2



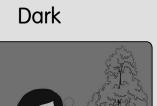
Light and Dark

Date:



State the differences in the following pictures.

1.



hard to read

Bright



2.



3.



easy to run





6.1.2



Textbook Pages: 64-65

Date:	Activity
	5



Apparatus and Materials

- white screen
- torch
- ball

Steps

- 1. Arrange the tools and materials as shown below.
- 2. Switch on the torch and record your observation in the table.

Arrangement of Objects	Observation (Shadow/No shadow)
A	
B	

Questions

- 1. Which arrangement of objects formed a shadow?
 - ______
- 2. A shadow is formed when light is blocked by an

____·

6.1.3 6.1.4 Textbook
Pages:
66-67



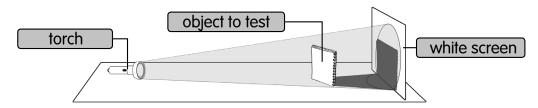
I Investigate >> Observe the Clarity of Shadow

Apparatus and Materials

- white screen
- torch
- objects to test

Steps

1. Arrange the tools and materials as shown.



- 2. Flash the torch onto the notebook.
- 3. Repeat step 2 using other objects.
- 4. Record your observation in the table given.

Ohioeta	Clarity of shadows			
Objects	Clear	Less clear	No shadow	
Notebook				
Glass bottle				
Pencil				
Plastic ruler				
Transparency				

Questions

1. State an object that has no shadow from the table above.

2. Which objects produce clear shadows?

42

6.1.4

Textbook
Pages:
67-68

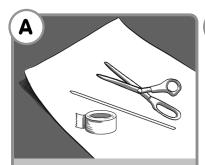
UNIT 6_BA.indd 42 11/27/2017 12:43:58 PM

Create a Shadow Play

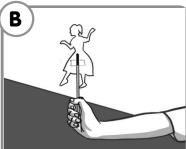
Date:

Activity 7

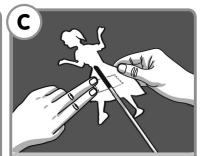
Write the correct sequence of steps to create a shadow play.



Prepare the tools and materials.



Place the object close to the wall.

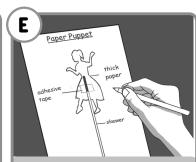


Attach the object to a skewer.





Trace and cut the shape of the object.



Sketch the required object.



Flash the torch onto the object and observe the shadow.



6.1.5

Textbook Pages:

70-71



Date:



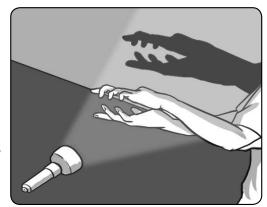
I Investigate >> Create a Hand Shadow

Apparatus and Materials

- torch
- hand

Steps

- 1. Flash the torch onto the wall.
- 2. Form a shape using your hands between the torch and the wall.
- 3. Observe the shadow formed.



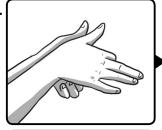
Question

Match the hands to the shadows.

1.



2.



3.







Textbook Page: 70

6.1.5

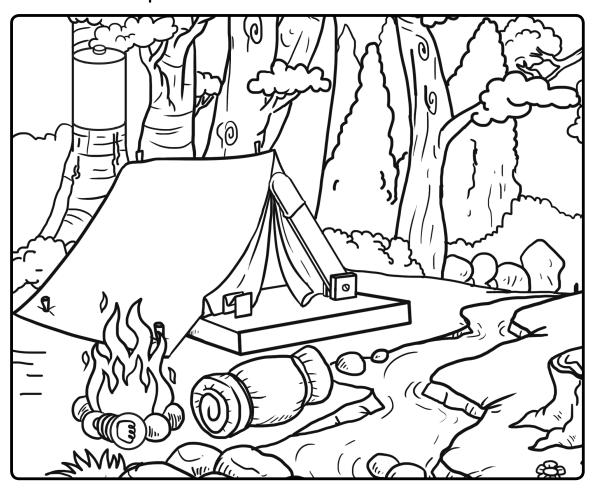
UNIT 6_BA.indd 44 11/27/2017 12:44:01 PM

ELECTRICITY

Search for the Hidden Components

Date: Activity

Observe the picture given. Colour the hidden electrical components.



7.1.1

Textbook Pages:

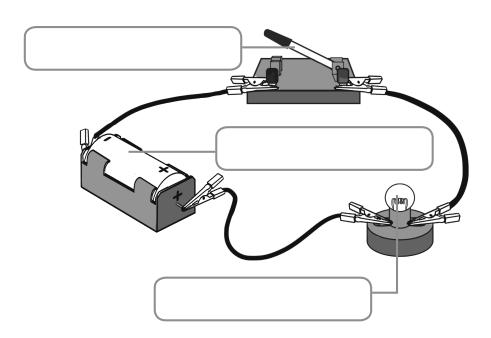
74-75



Knowing Me

Date: Activity 2

1. Label the electrical components in the circuit below.

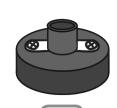


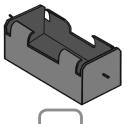
2. Tick (✓) the correct answers.





Should be fastened onto

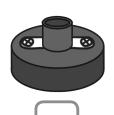


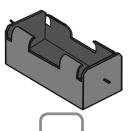


b)



Should be installed in





Textbook Pages: 74-75

46

7.1.1

UNIT 7_BA.indd 46

11/27/2017 12:44:53 PM

What is My Function?

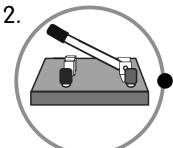
Date:

Activil

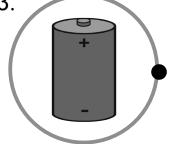
Match the pictures to their functions.

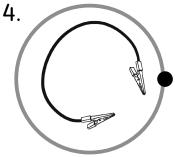
1.





3.





7.1.2

Supply electrical energy

Produce light

Connect components in the electric circuit

> Complete and break the electric circuit

> > Textbook Page:

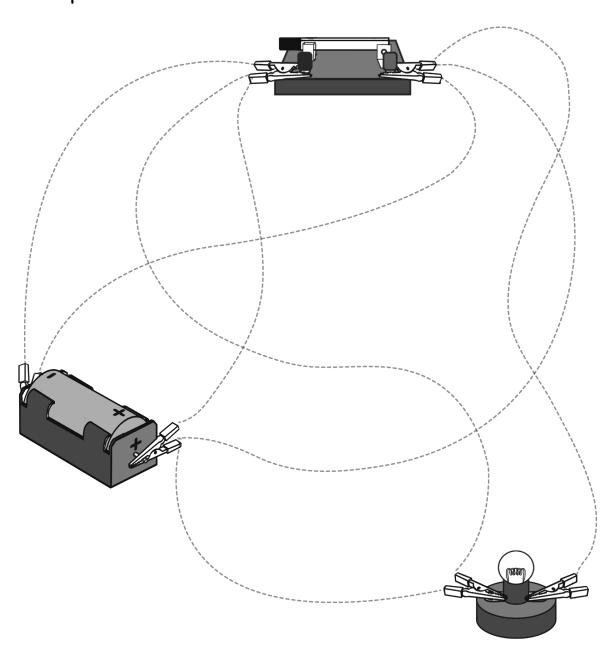
> > > 76



Build a Complete Circuit

Date: Activity 4

Trace the correct path of connecting wires to form a complete electric circuit.



48

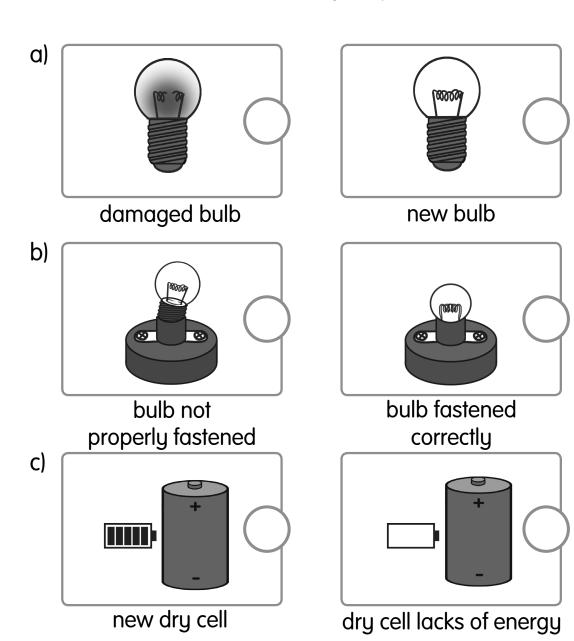
7.1.3

Textbook Pages: 77-78

Predict the Reason Why the Bulb Does Not Light Up



Look at each picture. Tick (\checkmark) if the bulb lights up and cross (x) if the bulb does not light up.

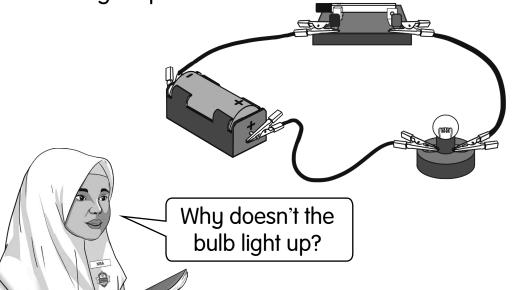


7.1.4 Textbook
Pages:
79-81

Why Doesn't the Bulb Light Up?

Date: Activity
6

Nisa has built an electric circuit. She found that the bulb does not light up.



Help Nisa to predict why the bulb does not light up.

My predictions:

1.

2.

3.

4.

50



Textbook
Pages:
79-81

Date:





I Investigate >> Identifying Conductors and Insulators

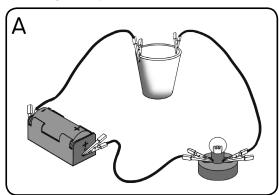
Apparatus and Materials

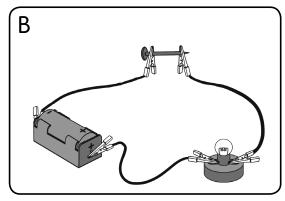
- bulbs
- bulb holder
- connecting wires
- dry cell holder
- dry cell

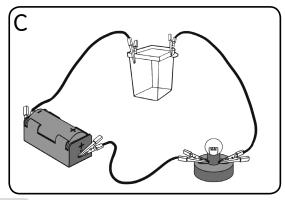
- objects to be tested
 - paper cup
 - nail
 - plastic container
 - paper clip

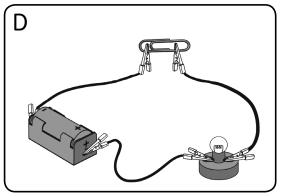
Steps

- Build a complete circuit and replace the switch with objects to be tested such as in the diagram below.
- 2. Colour the bulb that lights up in red and the bulb that does not light up in blue.









7.1.5

Textbook Pages: 81-83

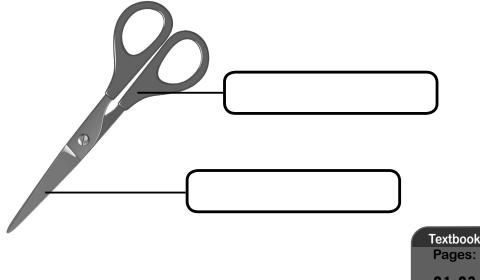


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Conductors and Insulators

Activi Date:

- Underline the correct answers.
 - a) An electrical conductor is an object that (allows/ does not allow) electric current to flow through it.
 - b) An insulator is an object that (allows/ does not allow) electric current to flow through it.
 - c) Kevin has replaced the switch with a key in the circuit. The bulb lights up because the key is (a conductor/an insulator).
 - d) Kugan has replaced the switch with a piece of thread in the circuit but the bulb does not light up because the thread is (a conductor/an insulator).
- 2. Label the conductor and insulator in the space provided.



7.1.6

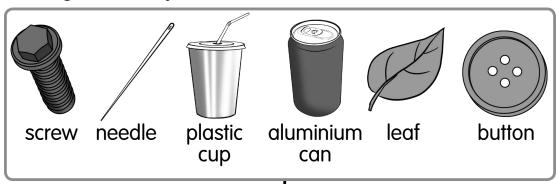
81-83

Conductor or Insulator?

Date: Activity

Kanang, Nisa, and Kugan have collected 6 objects from around the school area to test whether the objects are conductors or insulators.

Classify these objects.



Electrical Conductors

Electrical Insulators

1.	,, and
	can light up the bulb because these objects are

2. _____, and ____, cannot light up the bulb because these objects are

7.1.6

Textbook
Pages:
81-83

Installing a Buzzer Game



Apparatus and Materials







buzzer



connecting wires

Sketch the buzzer game using the tools and materials above.

- 1. When does the buzzer in the electric circuit above make a sound?
- 2. Can a buzzer function as a switch in a circuit?



7.1.7

Textbook Pages: 81-83

UNIT 7_BA.indd 54 11/27/2017 12:45:06 PM



MIXTURE

Let's Separate

Date:

Activity 1

Fill in the blanks with the methods to separate the mixtures.

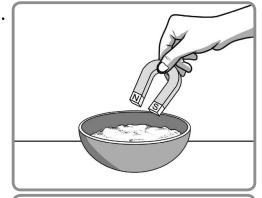
magnetic attraction

floatation

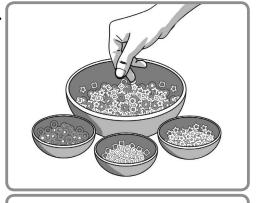
sieving

hand-picking

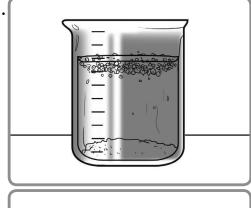
1.



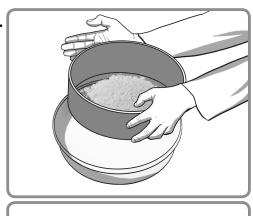
2.



3.



4.



8.1.1 8.1.2 8.1.3 Textbook Pages:

88-94

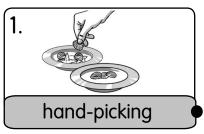


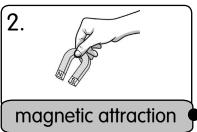
Separate It like This

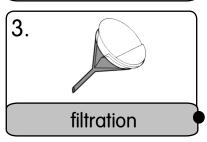
Date:

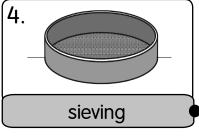
Activi

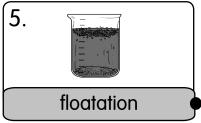
Why are these methods used to separate mixtures? Match the methods with their explanations.











To separate materials that can be attracted to magnet from materials that cannot be attracted to magnet.

To separate two large-sized materials.

To separate materials that can float from materials that sink.

To separate solid materials from liquid materials.

To separate fine-sized materials and large-sized materials.

> **Textbook** Pages: 89-94

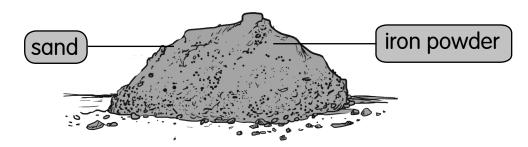
8.1.2

UNIT 8_BA.indd 56 11/27/2017 12:54:34 PM

Methods to Separate Mixtures

Date: Activity

Colour the suitable methods to separate the following mixtures. Give your reasons.

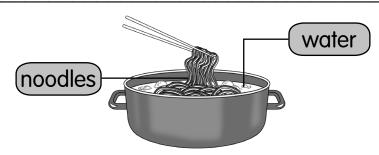


1. This mixture can be separated by

magnetic attraction

hand-picking

because



2. This mixture can be separated by

straining

sieving

because ___

8.1.2 HOTS

Textbook
Pages:
87-94



Observing the Solubility of Materials

Date:	Activity
	4

Apparatus and Materials

- 4 beakers of the same size glass rod sugar pebbles
- food colouring powderpeanutsteaspoon

Steps

- 1. Pour 200 ml of water into each beaker.
- 2. Add one teaspoon of different materials into each beaker.
- 3. Stir the water in each beaker for one minute.
- 4. Complete the table with your observation.

Materials	After stirring (Dissolved/Not dissolved)
Food colouring powder	
Pebbles	
Sugar	
Peanuts	

Questions

1.		and	dissolve
	in water.		

2. _____ and ____ do not dissolve in water.

58

8.1.3

Textbook Pages: qu-q5

Date:	Activity
	5



I Investigate >> Observing the Solubility of Materials in Hot and Cold Water

Apparatus and Materials

- 100 ml of hot water Caution
- cocoa powder
- 100 ml of water at room temperature
 teaspoons

100 ml of cold water

Steps

1. Set up the apparatus and materials as below.







cold water

water at room temperature

hot water

- 2. Add cocoa powder to each cup.
- 3. Stir the cocoa powder at the same time.
- 4. Record the time taken for the cocoa powder to dissolve in each cup (the fastest/fast/slow).

Condition of water	Cold	Room temperature	Hot
Time for cocoa powder to dissolve.			

Questions

1.	Cocoa powder dissolved the fastest in	_
	water and dissolved the slowest in	water.

2.	Materials can	dissolve more quickly in	
	water than in	water	

8.1.4

Textbook Pages: 96-97

Activit Date:



I Investigate >>> Observing the Solubility of Sugar Cube, Coarse Sugar, and Fine Sugar

Apparatus and Materials

- 3 beakers of the same size
 - - water

teaspoon

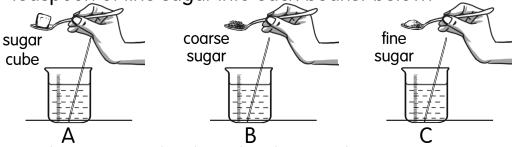
- sugar cube
- coarse sugar

• fine sugar

glass rods

Steps

- 1. Pour 200 ml of water into each beaker.
- 2. Put one sugar cube, one teaspoon of coarse sugar, and one teaspoon of fine sugar into each beaker below.



- 3. Stir the water in the three beakers at the same time.
- 4. Record your observation in the table below (the fastest/ fast/slow).

Type of sugar	Cube	Coarse	Fine
Time for sugar to dissolve			

Questions

What type of sugar dissolved the fastest in water? Why?

2. What type of sugar dissolved the slowest in water? Why?

3. sized materials can dissolve more quickly.

8.1.4

Textbook Pages: **98-99**

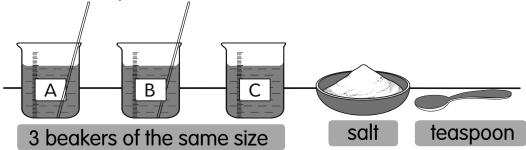
UNIT 8 BA.indd 60 11/27/2017 12:54:39 PM

Date:	Activity
	7



Apparatus and Materials

- 3 beakers of the same size teaspoon glass rods salt
- **Steps**
- 1. Pour 200 ml of water into each beaker, labelled A, B and C.
- 2. Put one teaspoon of salt into each beaker.



- 3. Stir the water in beaker A quickly and stir the water in beaker B slowly. Do it at the same time.
- 4. Leave the water in beaker C without stirring.
- 5. Observe the salt in each beaker.
- 6. Record your observation in the table below.

Beaker	A	В	С
Time for salt to dissolve			
(Fastest/Fast/Slow)			

Questions

•			
1.	The salt in beaker	dissolved slowly because	
_	The solation be subsequent		
۷.	The salt in beaker	dissolved the fastest.	
3.	Materials can dissolve faster in water if		

____.

8.1.4

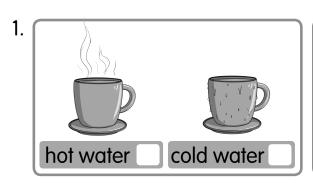
Textbook
Pages:

97-98

Which of These Dissolve More Quickly?



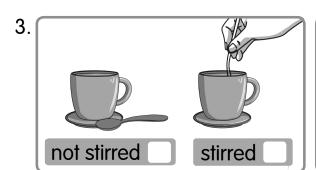
Tick (\checkmark) the fastest method to make a chocolate drink. Explain how you prepare it.



I will use _____.

sugar coarse sugar

I will use ______because ______.



Then, the chocolate drink will be ______because _____.



chocolate drink is ready

Textbook
Pages:

8.1.3 8.1.4 8.1.5 HOTS



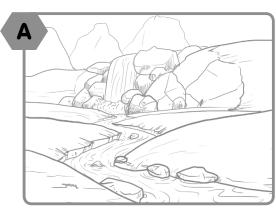
EARTH

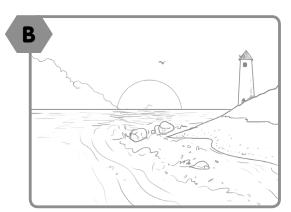
Natural Sources of Water

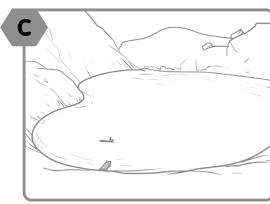
Date:

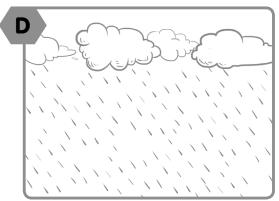
Activity 1

Colour the pictures of the water sources below.









What are the water sources above?

A :

B:

C:

D:

9.1.1

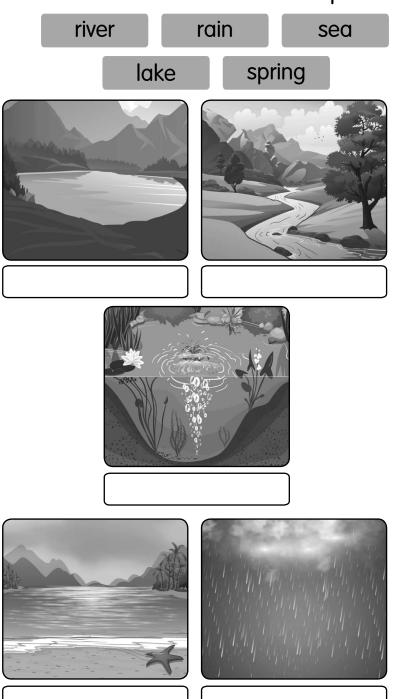
Textbook
Pages:
102-104



Identify the Natural Sources of Water

Date: Activity
2

Label the natural sources of water in the pictures below.



64

q.1.2

Textbook Pages: 102-104

UNIT 9_BA.indd 64 11/27/2017 12:55:18 PM

Date:	Activity
	3



I Investigate >> Observe the Direction of **Water Flow**

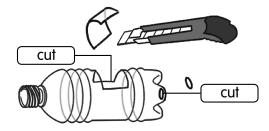
Apparatus and Materials

- plastic bottle
- string
- water

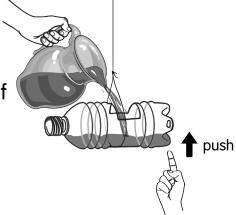
- adhesive tape
- cutter 1
- Caution

Steps

I. Cut a plastic bottle as shown in the diagram.



- 2. Tie the bottle using a string and hang the bottle horizontally.
- 3. Fill the bottle with some water.
- 4. Push the bottom of the right side of the bottle.
- 5. Repeat step 3.
- 6. Push the bottom of the left side of the bottle.
- 7. Observe the water flow.



Questions

- What was the direction of the water flow when the right side of the bottle was pushed up?
- 2. What was the direction of the water flow when the left side of the bottle was pushed up?

Water flows from _		
to	•	

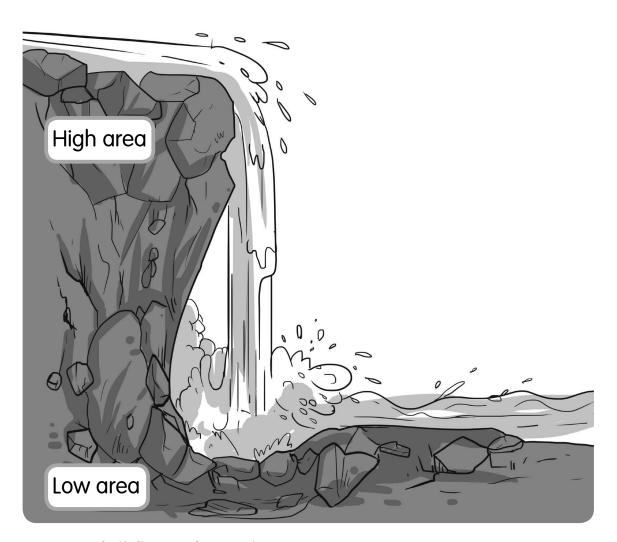
9.1.2

Textbook Pages: 105-106

Direction of Natural Water Flow



Use a blue coloured pencil to draw the direction of the water flow.



A waterfall flows from the _____ area to the _____ area.



q.1.3

Textbook Page: 107

Disruption of Water Flow

Date: Activity
5

Match the situations with the effects of water flow disruption.

Situation

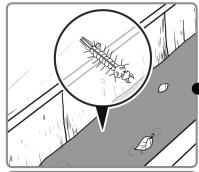
1.



Effect

mosquito breeding site

2.



smelly river water

3.



flash flood

Disruption of water flow can cause _____

_, _____, and

q.1.3

Textbook Page:

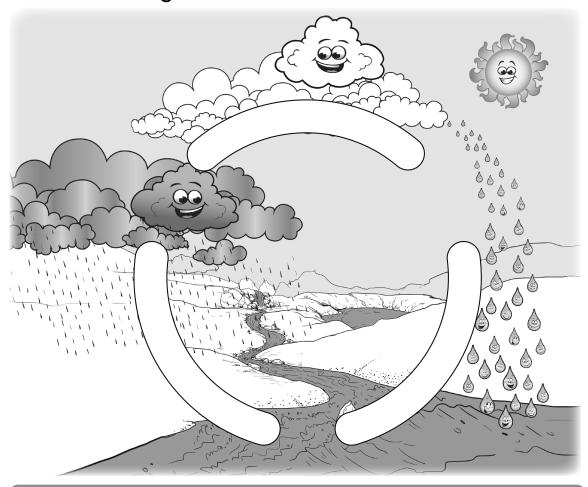
107



Natural Water Cycle

Date:	Activity
	6

Sketch the arrows to show the correct sequence of natural water cycle.



Natural water cycle occurs when	_ from	
rivers and seas become		
Water vapour is cooled and become water droplets		
and forms The clouds becon	ne too	
heavy and will fall as		



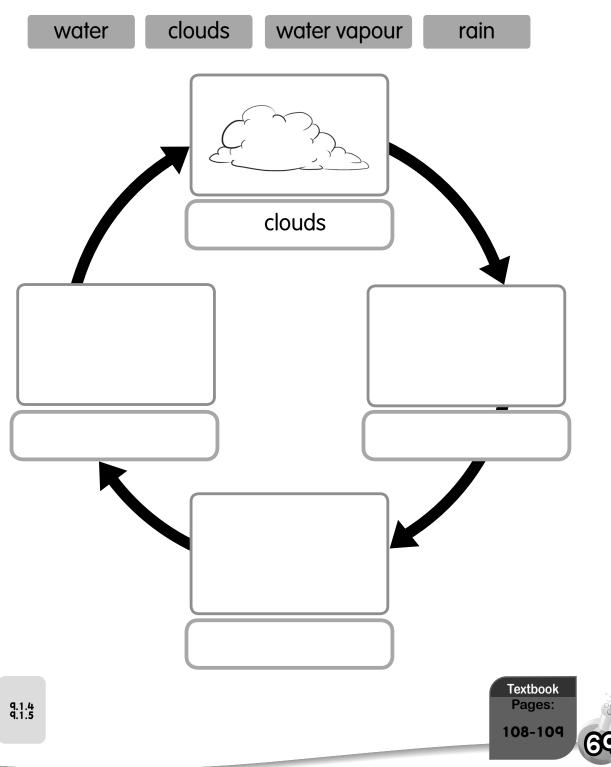
Textbook
Pages:
108-109

q.1.4 q.1.5

Sequence of Natural Water Cycle



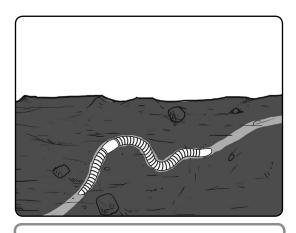
Fill in the blanks with the correct answers and sketches.



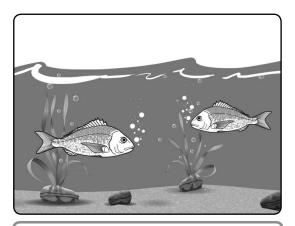
Where Can Air Be Found?

Date: Activity 8

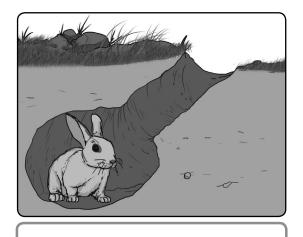
Fill in the blanks to show where air is found.



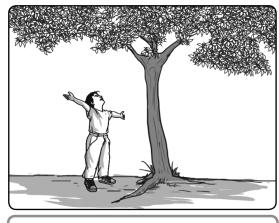
In _____



In _____



In _____



____us

Air is _____ us. Living things need air to breathe. Air is everywhere including in _____,

_____, and _____.

70

Textbook
Pages:

q.2.1

Contents of Air



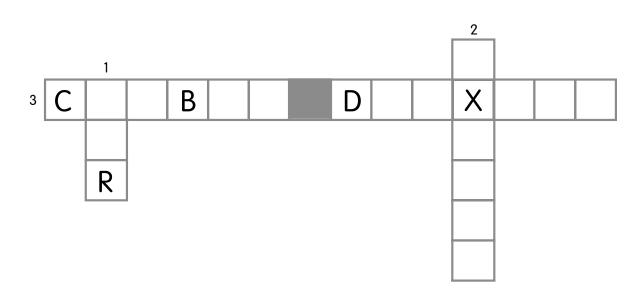
Fill in the blanks with the correct answers.

1. _____consists of several types of gases.

2. Humans, plants, and animals need ______ to breathe.

3. _____ is released while living things breathe out.

Complete the crossword puzzle below based on the above statements.



q.2.2

Textbook
Pages:
110-111

Create a Sailing Boat Model

Date: Activity

Apparatus and Materials



Sketch a sailing boat model in the box below. Then, use the apparatus and materials above to make the sailing boat model.



72

q.2.5 q.2.6 Textbook Page: 114

Effects of Wind

Date: Activity

Fill in the blanks with the correct answers. Describe the following situations based on the pictures given.

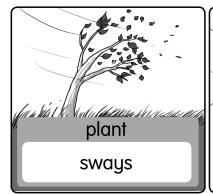
billow

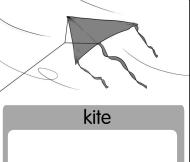
flutters

flies

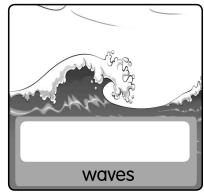
tinkle

big

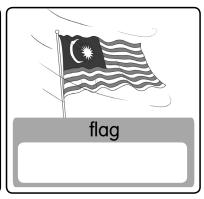












1. What causes the situations above?

Blown by the **d**

2. Air that v is the d

q.2.3

Textbook Pages: 112-113

Moving Air

Date:

Activity 12

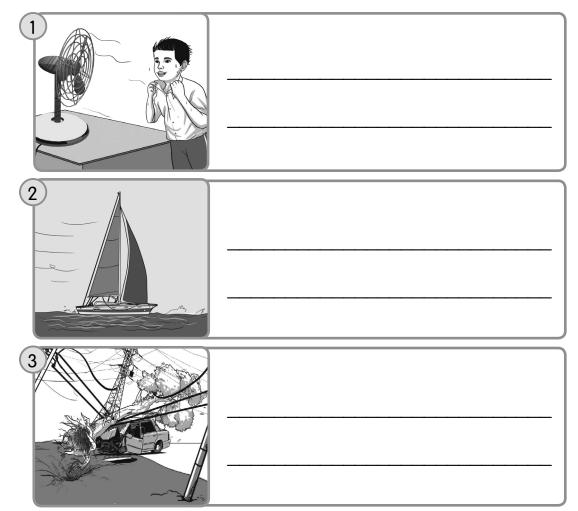
The following pictures show the effects of moving air.

Write the correct information based on the pictures.

Destroys properties

Moves sailing boats

Cools the body



74

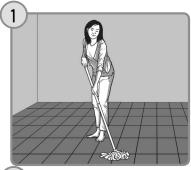
9.2.4

Textbook Page:

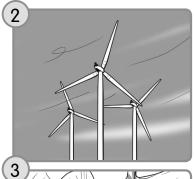
Effects of Moving Air

Date: Activity

How does moving air affect our lives?



Moving air causes the floor to _____(dry/wet) faster after being mopped.



Moving air causes windmills to ______ (spin/not spin) to generate electricity.



Charcoal fire will _____ (flare up/not flare up) when fanned.



Dandelion flower seeds can

(fly/dissolve) when the air moves.

9.2.4

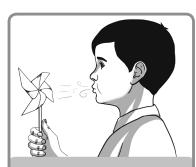
Textbook
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112-113

Create a Paper Windmill

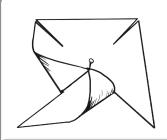
Date:

Activity 14

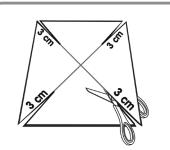
Write the correct sequence to create a paper windmill.



Blow your paper windmill.



Fold the edges and pin them.

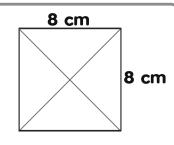


Cut 3 cm of each line.

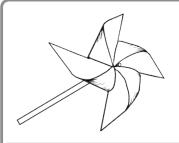




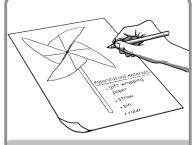




Make a line on a gift wrapping paper as above.



Pin the paper windmill to the straw.



Sketch and list the materials needed.





76

9.2.5

Textbook
Pages:
112-114

TECHNOLOGY

My Choice of Model

Date: Activity

1

Cut and paste the pictures of models provided correctly. Tick (\checkmark) the model of your choice.

model of an aeroplane

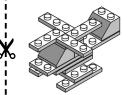
model of a robot

model of a house

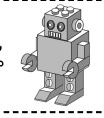
model of a helicopter

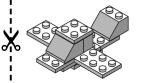
Textbook Pages:

118-119









10.1.1

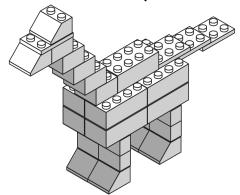
77

Components and Illustrated Manual

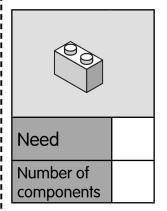
Date:

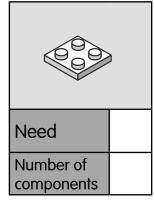
Activity
2

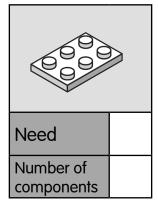
Based on the illustrated manual, tick (\checkmark) the components needed to build the model below. State the number of components.

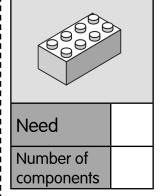


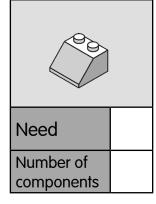
model of a horse

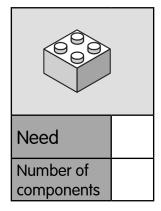












73

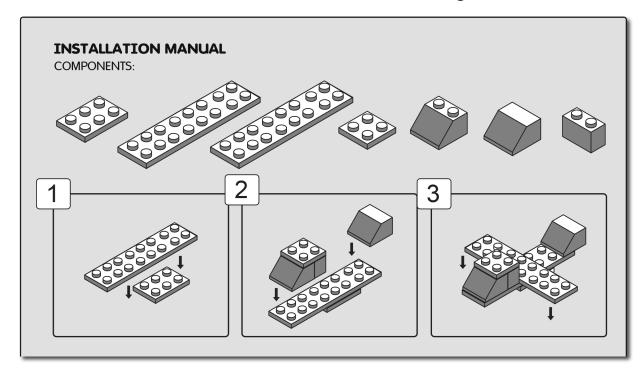
10.1.2

Textbook Pages: 120-121

Building Set Manual

Date: Activity
3

Below is an illustrated manual of a building set model.



- 1. What is the model above?
- 2. How many components are used?
- 3. At which step does the wing section begin to be assembled?
- 4. What will happen if you assemble a model without referring to the manual?

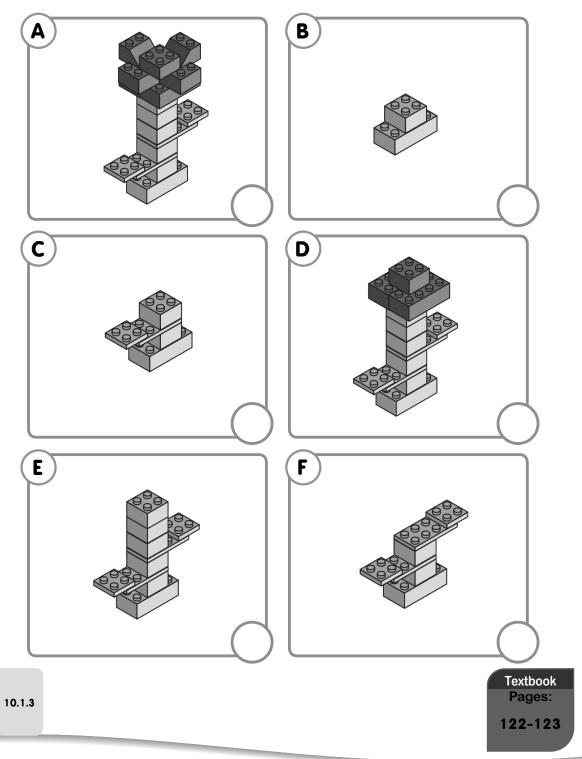
10.1.3

Textbook Pages: 122-123

Assembling a Model Based on the Illustrated Manual



Write the numbers 1 to 6 in the correct sequence to build a model of a rose.

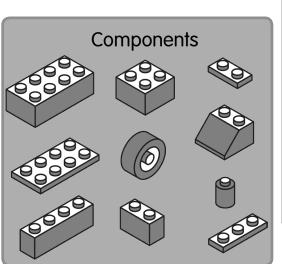


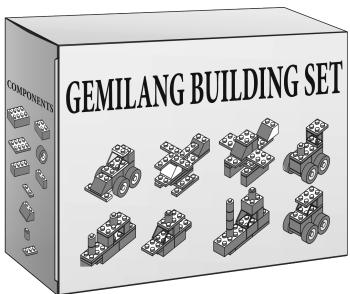
UNIT 10_BA.indd 80 11/27/2017 12:56:21 PM

Building a New Model

Date: Activity
5

The box below shows several pictures of models.





Sketch a new model that is not included in the Gemilang Building Set. Then, name your new model.

New model name:

10.1.4

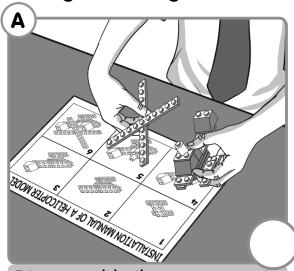


Textbook
Pages:
124-125

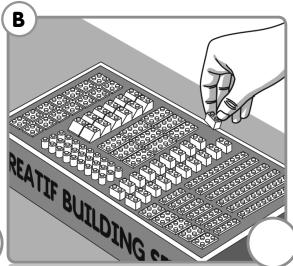
Disassembling and Storing

Date: Activity 6

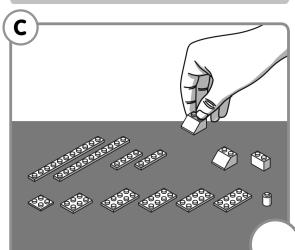
Number the correct sequence for disassembling and storing a building set model.



Disassemble the components starting with the final step of assembling.



Arrange the components in the compartments and store the box.



Arrange the disassembled components according to their shapes.



Count the disassembled components.

82

10.1.5

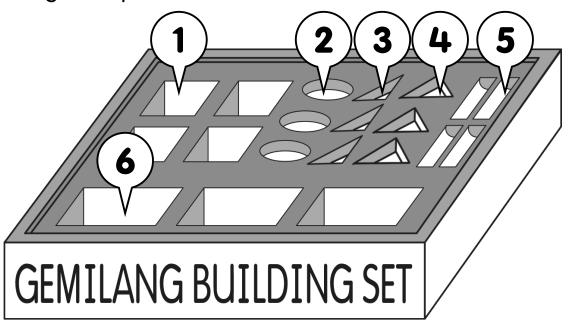
Textbook
Pages:
126-127

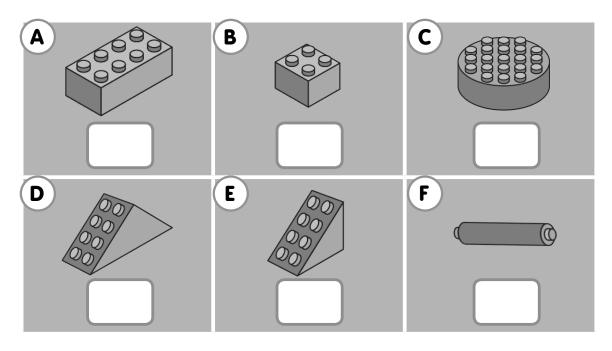
UNIT 10_BA.indd 82 11/27/2017 12:56:25 PM

Storing the Components

Date: Activity 7

Match each component to the number of the correct storage compartment.





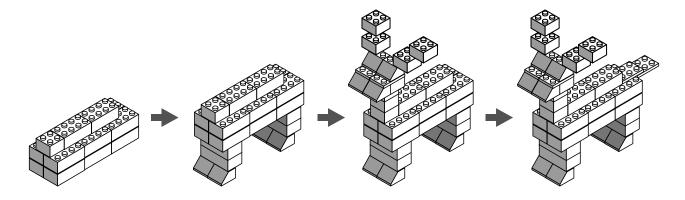
10.1.5

Textbook
Pages:
126-127

My Building Set Model



Kanang has built the following model.



Underline the correct answers.

- 1. Kanang has built a model of (an animal/a vehicle).
- 2. The shape of his model is like a (deer/bird/ship).
- 3. First, Kanang assembled the (body/head) section.
- 4. Then, he continued to build the (horn/leg) section.
- 5. After that, he formed the (head/tail).
- 6. Finally, Kanang assembled the (tail/horn) section.

10.1.6

Textbook Page: