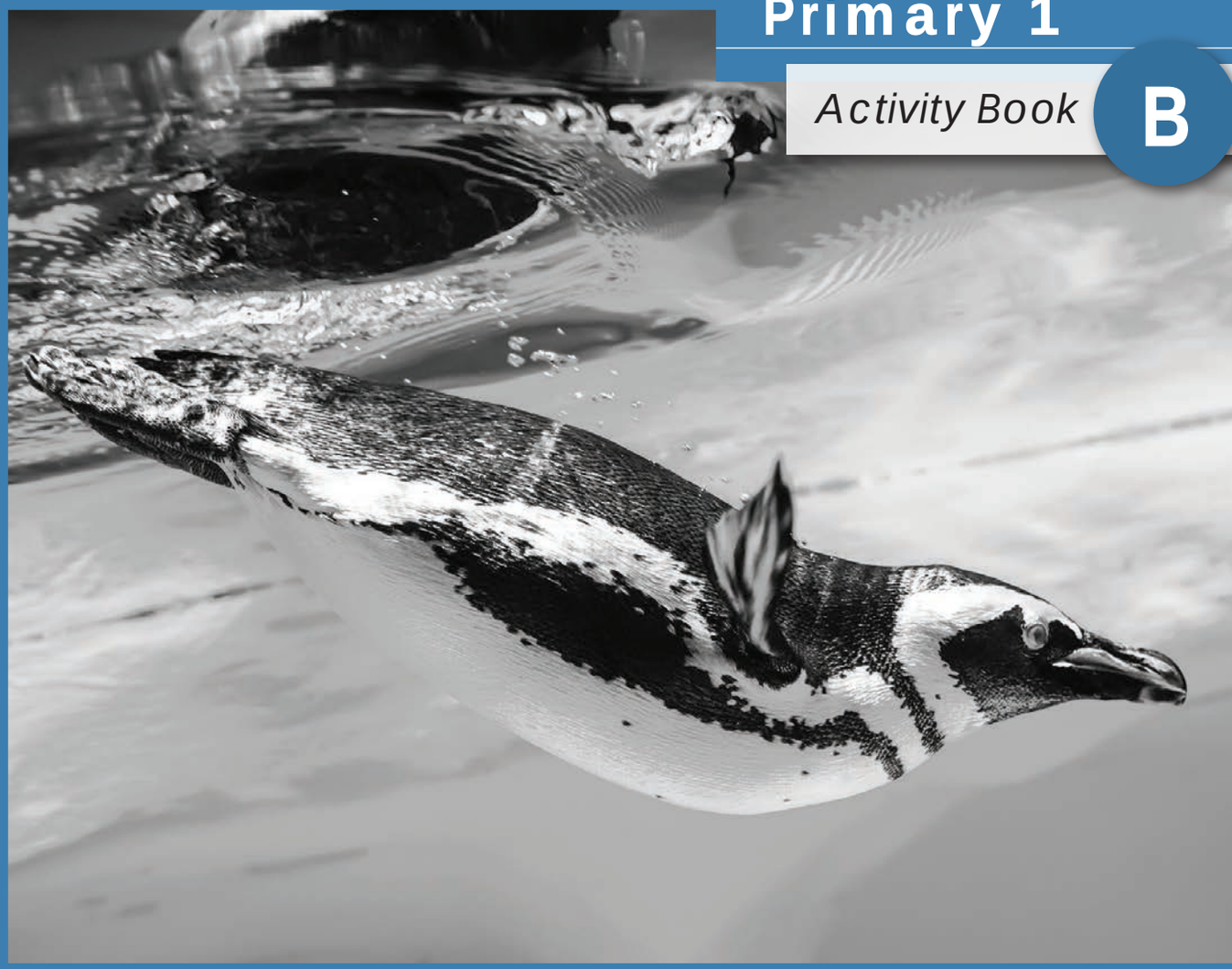
Let's Do SCIENCE

Primary 1

Activity Book **B**



Let's Do Science

Let's Do Science is based on the United States Next Generation Science Standards (NGSS). The series consists of full-color textbooks and full-color activity books for Grades K to 6.

Let's Do Science engages students with a highly visual presentation of the disciplinary core ideas in the textbooks and places an emphasis on applying scientific knowledge using NGSS practices through numerous scientific investigations. Let's Do Science sees engineering as an essential element of science education and as such is tightly integrated into both the textbooks and activity books.

The Let's Do Science activity books include the follow features:

AB Activity

Activities and investigations related to concepts and topics covered in the Let's Do Science Textbook.

Engineer It!

Goes beyond inquiry by encouraging students to design, model and build to engineer solutions to defined problems.

Review

Topical questions at the end of each chapter for formative assessment.

Contents

Activity 6.1

Describing Position

1. Use the words in the box to describe the position of the objects in the bedroom.

left	**between**	**above**	**under**
right	**in front**	**on**	**behind**

(a) The skateboard is _____ the bed.

(b) The trophy is _____ the basketball and the computer.

(c) The poster is _____ the bed.

(d) The toy car is _____ of the bed.

(e) The kitten is _____ the cushion.

(f) The drawers are to the _____ of the window.

(g) The baseball bat is to the _____ of the window.

(h) The guitar is _____ the teddy.

2. Draw another object in the bedroom. Describe its position.

_____

_____

Activity 6.2

Describing Motion

1. Use the words in the box to describe motion.

zigzag
straight line
round and round
back and forth
up and down

(a)

(b)

(c)

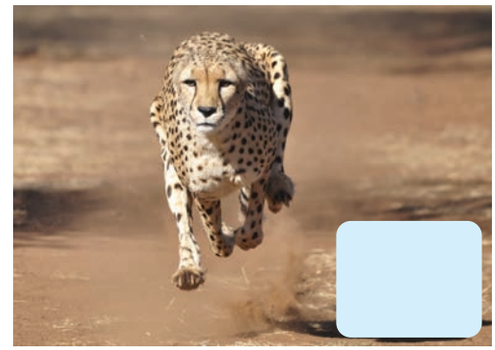
(d)

(e)

2. Write ‘S’ for slow or ‘F’ for fast.

(a)

(b)



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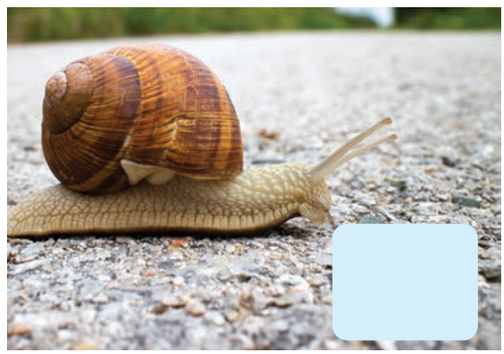


(d)

(e)

(f)

(g)

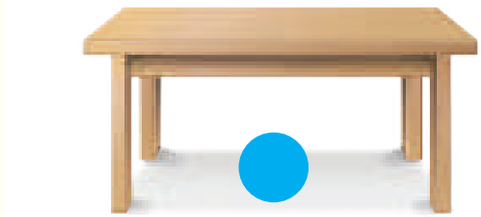
(h)

Review

Forces and Motion

1. Use the words in the box to describe the position of the circle in each picture.

on	under	left	right



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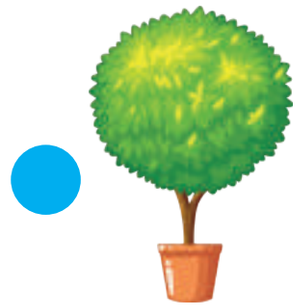

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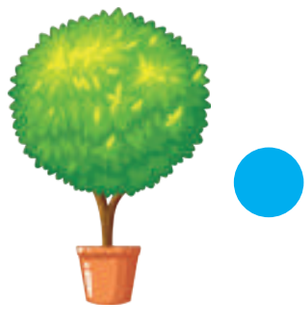

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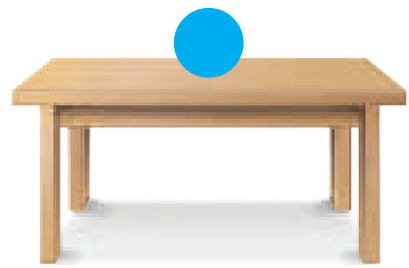


_____

2. How can you tell when an object is in motion?

_____

Activity 7.1

What Is Matter?

1. List the matter you can see in the classroom.

Matter in the classroom:

2. List the matter you can see in the bedroom.

Matter in the bedroom:

3. True (✓) or false (✗).

(a) All matter has mass.

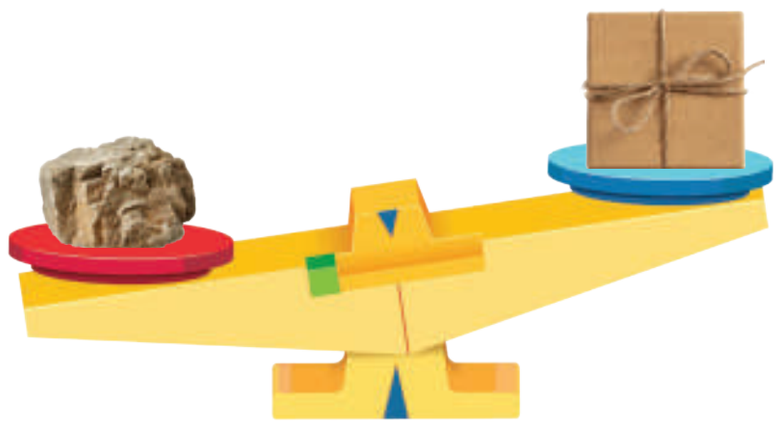
(b) All matter takes up space.

(c) All matter can be seen.

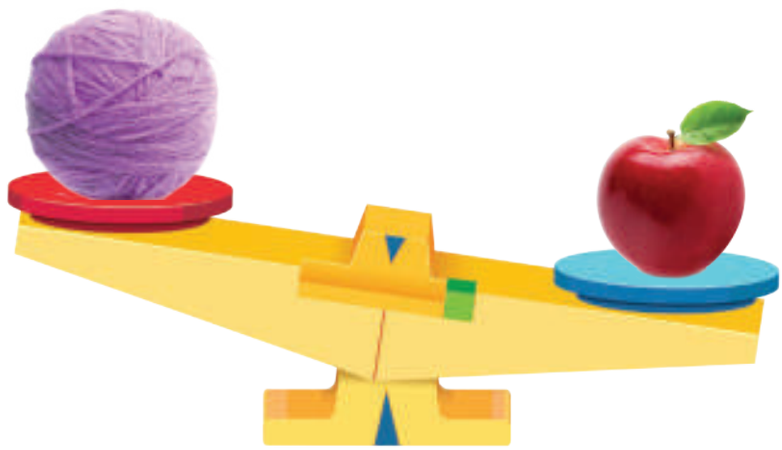
(d) Matter is what all things are made of.

4. Circle the object with the greater mass.

(a)



(b)



Activity 7.2

Describing Matter

1. Write four words to describe each object.

(a)

(b)

(c)

Review

Matter

1. What is matter?
   (a) A pull force.
   (b) What all things are made of.
   (c) A source of light.

2. True (✓) or false (✗).
   (a) Mass is the amount of matter in an object.
   (b) All matter is heavy.
   (c) Water is an example of a liquid.

3. Use the words in the box to complete the sentences.

liquid	melts	freezes	solid

   (a) When water _____, it changes from a liquid to a _____.
   (b) When ice _____ , it changes from a solid to a _____.

4. List the three states of matter.

(a) _____

(b) _____

(c) _____

5. Use the words **reversible** and **irreversible** to the describe the change taking place.

_____ _____

_____ _____

Activity 9.1

What Is a Source of Light?

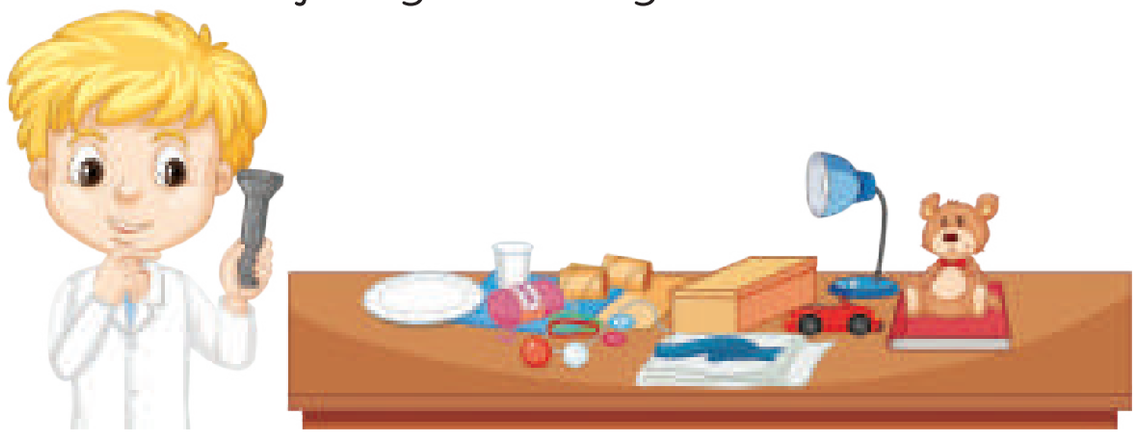
1. Check ( ) the sources of light.

2. Which natural source of light helps you to see during the day?

Activity 9.2

Can You See in Darkness?

Plan and conduct an investigation to show that objects in darkness can only be seen when there is light or if an object gives off light of its own.



Make a Prediction

What do you think will happen?

_____

_____

Materials

List the things you will need.

_____

_____

Procedure

Write the steps you will take.

Draw a Model

Draw a model and label your investigation.

Review

Light

1. What is light?
   (a) Energy that allows you to see.
   (b) Heat energy from the Sun.
   (c) Energy you can hear.

2. True (✓) or false (✗).

   (a) You can see things in darkness.

   (b) Light helps us to see things.

   (c) You can see a source of light.

3. List two natural sources of light.

   (a) _____ (b) _____

4. List two artificial sources of light.

   (a) _____ (b) _____

5. List two ways people use light.

   (a) _____ (b) _____

6. What is a shadow?
   (a) A source of light.
   (b) A dark area made when light is blocked.
   (c) A light area made by an object.

7. Use the words in the box to label the objects.

translucent	opaque	transparent

(a) _____ (b) _____ (c) _____

8. Sophie thinks the moon is a source of light because it helps her to see at night.
   Is Sophie correct? Explain your answer.

_____

_____

_____

_____

_____

This publication would not have been possible without the tireless effort of our production team.

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