

New



# Science Basics 2

Second Edition



Rasha Al-Shafee

Verified by: Dr. Ibrahim Nofal

Karen Smith

AL-ROWAD  
www.alrowadpub.com

# Contents

## Theme 1: Living Things 3

<b>Lesson 1</b>	I Am Alive!	3
<b>Lesson 2</b>	My Body	7
<b>Lesson 3</b>	Plants Around Us	12
<b>Lesson 4</b>	Leaves and Flowers	16
<b>Lesson 5</b>	Animals Around Us	19
<b>Lesson 6</b>	Our Food	23
<b>Lesson 7</b>	Growing and Staying Healthy	27

## Theme 2: Our World 38

<b>Lesson 1</b>	What Are Things Made Of?	38
<b>Lesson 2</b>	Air Around Us	41
<b>Lesson 3</b>	Water	44
<b>Lesson 4</b>	Weather and Seasons	47

## Theme 3: Electricity and Sound 56

<b>Lesson 1</b>	Electricity	56
<b>Lesson 2</b>	Sound	60



Be where the World is going

البرواد للنشر والتوزيع  
حيث يكون العالم؛ نكون  
Al Rowad for Publishing & Distribution

# Theme 1 Living Things

## Lesson 1 I Am Alive!

We are alive.  
A chair is not alive.  
It is a non-living thing.



Living things breathe.  
Can you count how many times you breathe in a minute?

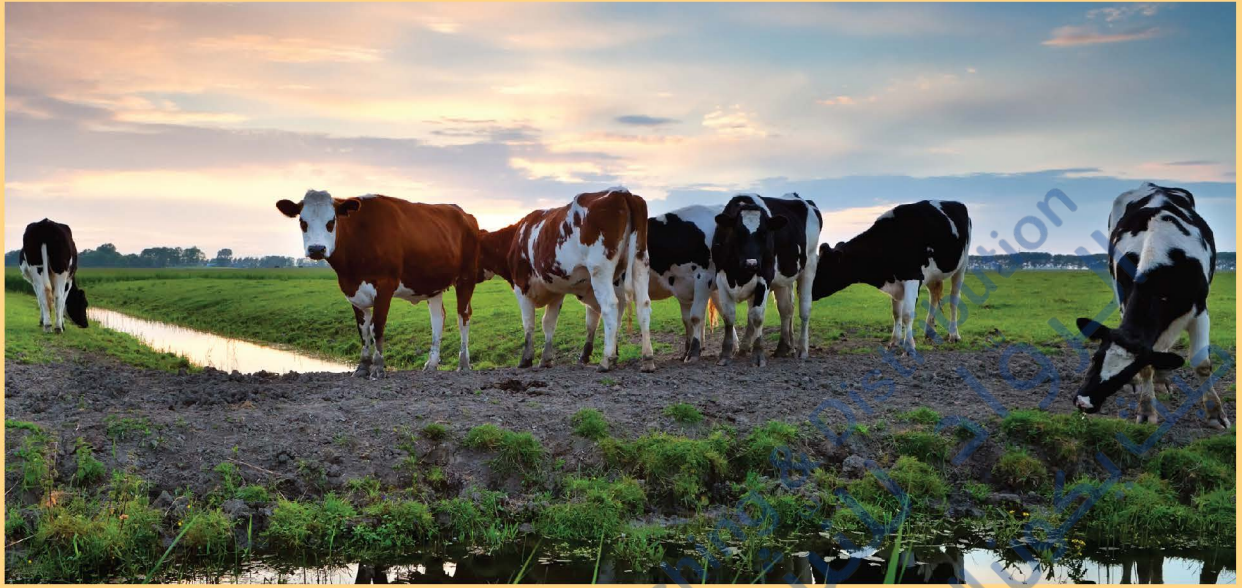
We eat and drink.  
A chair does not eat or drink.  
We grow. A chair does not grow.  
We breathe. A chair does not breathe.  
We sleep. A chair does not sleep.

Non-living things  
do not grow or breathe,  
or eat or drink;  
many things around us are not alive.



 Name some non-living things around you.

All animals are living things.



Plants are also living things.  
They grow and breathe,  
but we cannot see them breathing.  
They take water from the soil.  
They make their own food.



Some non-living things can move,  
but not by themselves.  
Something pushes them.  
They cannot grow, breathe or eat.  
A car and an aeroplane are non-living things.

### Remember

1. Living things grow, eat, drink and breathe.
2. Plants and animals are living things.



 Draw the things in the correct box.



Draw living things.

Draw non-living things.

 Put a  for true or an  for false.

a) Living things grow.

b) All living things can move.

c) All non-living things cannot move.

d) Plants cannot breathe.



## Project

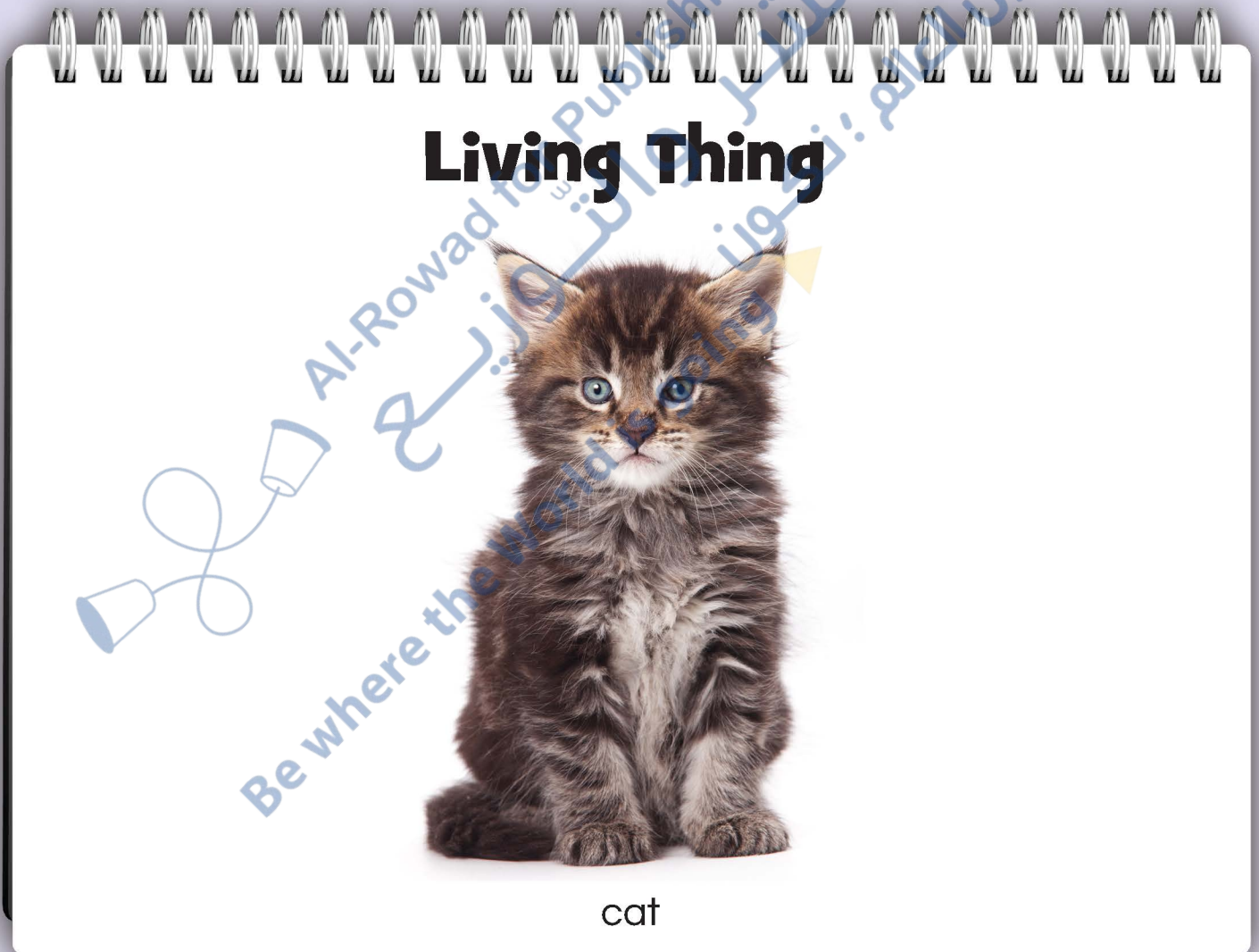
### **Make a Living and Non-Living Things scrapbook.**

Your house is full of living and non-living things.

Collect or draw pictures of 5 living and 5 non-living things in your house.

1. Above each picture write "Living Thing" or "Non-living Thing."
2. Below each picture write what it is.

Share your scrapbook with your friends.

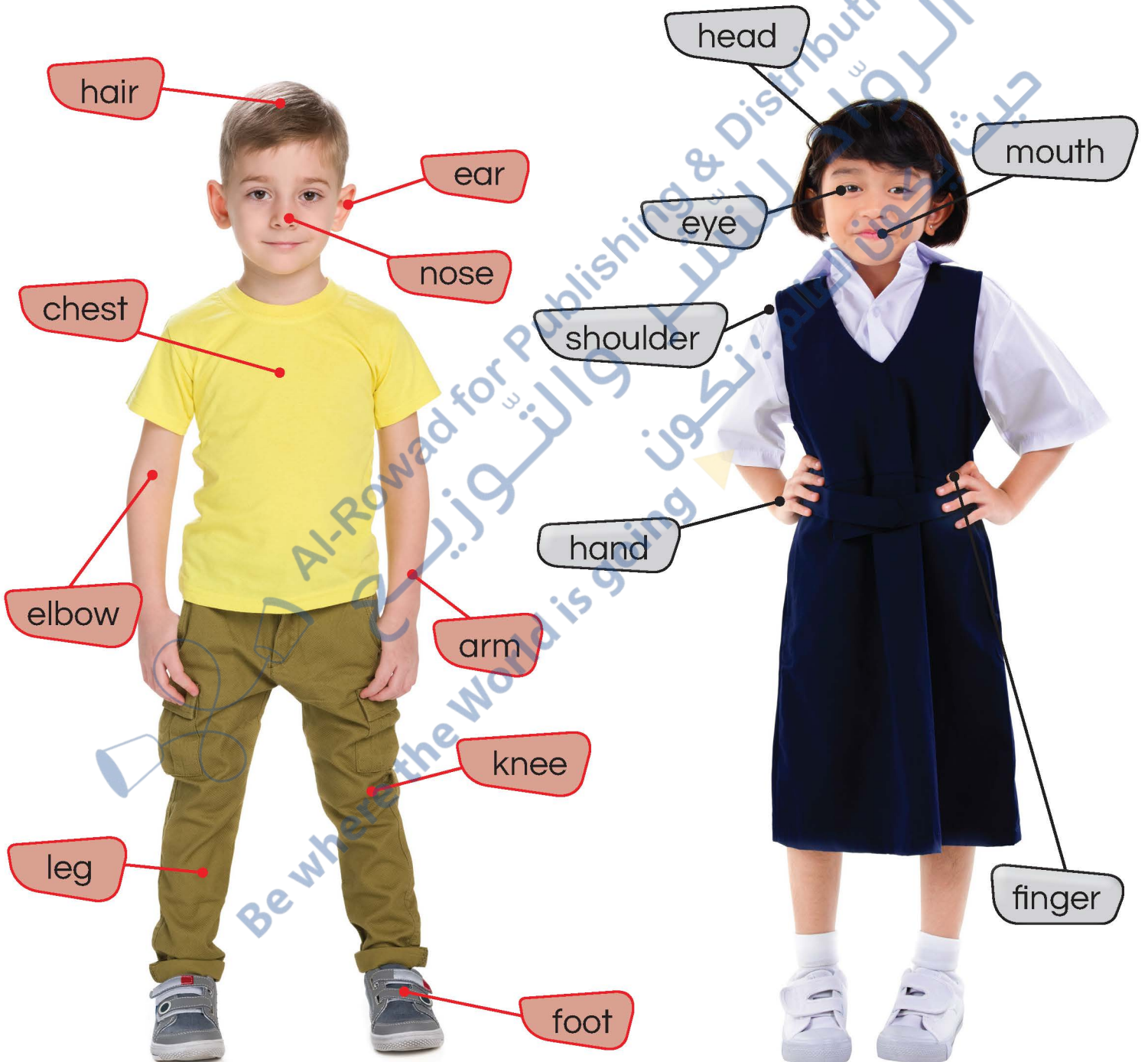


People are living things.

We have bodies.

Our bodies have many parts.

Each part of a body has a name.



Our bodies are like a machine.  
Each part of our bodies have different uses.  
Do you know the uses of each part?



We can see, hear, touch, taste and smell.

We see things with our eyes.

We hear things with our ears.

We touch things with our skin.

We taste things with our tongue.

We smell things with our nose.

These are our five senses.



Our senses keep us safe. Can you find out how?



### Remember

1. Our body has many parts.
2. Each part of our body has many uses.
3. We have five senses: we can see, hear, touch, taste and smell.

 Match the five senses to when you use each one.





## Project

### Make a body part scrapbook.

Think about your body. Which part do you think you use most?

What are some of the most useful parts of your body?

Collect or draw pictures of the parts of the body you think are most useful. Why do you think these are the most useful parts?

1. Write your reason under every picture.
2. Label each body part above every picture.

Share your scrapbook with your friends.

### Eyes



They help me to read books.

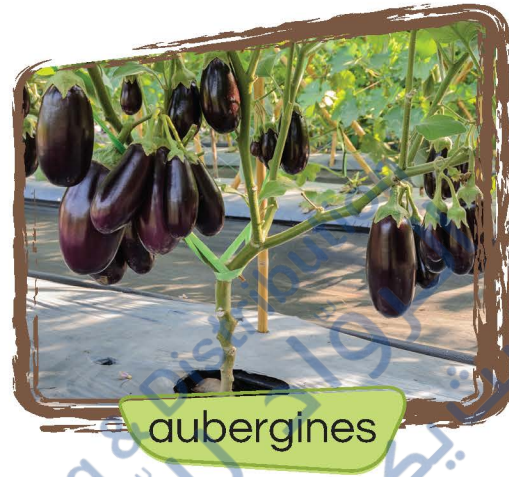
Visit a park or a garden.

There are different types of plants.

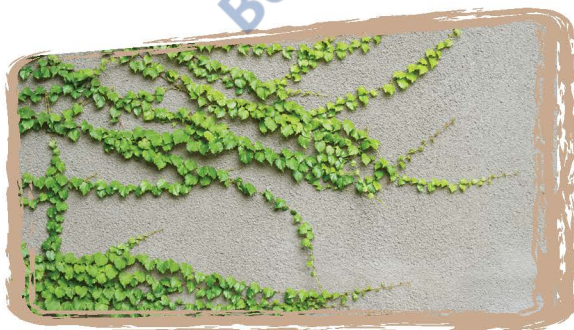
Look at them carefully.



Some plants are small.  
They do not grow very high.



Other plants are big.  
Some are very tall and strong. They are called trees.



Some plants cannot stand upright.  
They need a support they can  
climb.  
Such plants are called vines.

Some plants can grow in places where there is very little water.



cactus

Some plants grow on the surface of water.



lotus

grass



Some plants can grow on hills.

### Remember

1. There are many kinds of plants.
2. Different plants grow in different places.



What kind of plants grow in your school?  
How many types of small plants are there?  
How many types of big plants are there?  
How many types of vines are there?  
How many types of water plants are there?

**👍 Name the plant in the picture.**

- 1) \_\_\_\_\_
- 2) \_\_\_\_\_
- 3) \_\_\_\_\_



**👍 Name these.**

- a) plants that need a support to climb: \_\_\_\_\_
- b) tall and strong plants: \_\_\_\_\_
- c) a type of plant that grows in places where there is very little water:  
\_\_\_\_\_

**👍 Put a  for true or an  for false.**

- a) Scallions grow on a tree.
- b) A cactus grows in water.
- c) Some plants can grow in water.
- d) A pine tree is very tall and strong.

**💡 Project**

**👍 Make a plant scrapbook.**

- Collect pictures of plants.
- Paste them in your scrapbook.
- Below each picture write:
  - 1. the name of the plant
  - 2. whether it is big or small
  - 3. where it mostly grows



## Leaves

Look at the colours of plants in a garden.  
Many plants appear green.

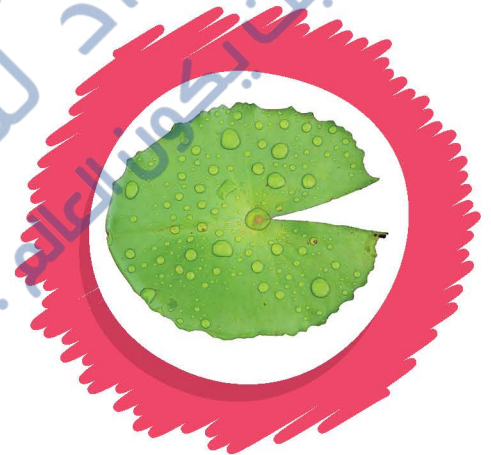
This is because they are covered with green leaves.  
Look at the leaves of different plants.  
They have different shapes and sizes.  
Many of them are green.



rose leaves



coconut palm frond



lotus leaf



pine needles



mango leaves



banana leaf



Leaves have two sides. These sides are not the same.  
Can you find out the difference?