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New  
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BOOK 2

# Simple Science

Saaïma A. Warris

## SIMPLE SCIENCE

Textbook cum Workbook

Textbook cum Workbook

**SIMPLE SCIENCE** is a series of six text-cum-work-books designed to meet the needs of young children in the primary classes.

**SIMPLE SCIENCE:** Each page is profusely and beautifully illustrated with almost life-like pictures with which the young children are quite familiar.

**SIMPLE SCIENCE:** A number of activities and experiments have been added because basically "Science is Doing".

**SIMPLE SCIENCE:** Involves students in a variety of activities.

**SIMPLE SCIENCE:** Ideas are provided for a large number of exercises to develop observation, practical experimentation, recording and other scientific skills.

**SIMPLE SCIENCE:** Each unit gives a text of study in very simple language followed by "Things to remember", "Things to tell" and "Things to do".

**SIMPLE SCIENCE:** Each book is accompanied by a comprehensive Teacher's Guide which gives step-by-step help in the planning of lesson.

1. BODY, FOOD AND CLOTHES
2. HOUSES AND CLEANLINESS
3. ANIMALS AND BIRDS
4. TREES AND PLANTS
5. TRANSPORTATION
6. AIR AND WATER
7. SKY

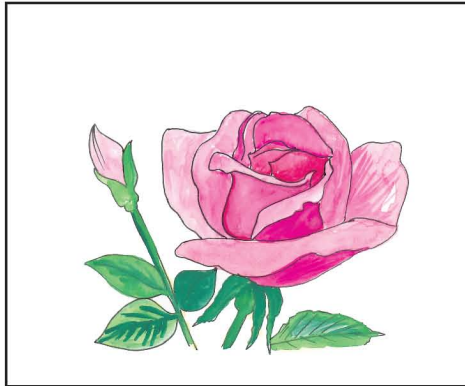
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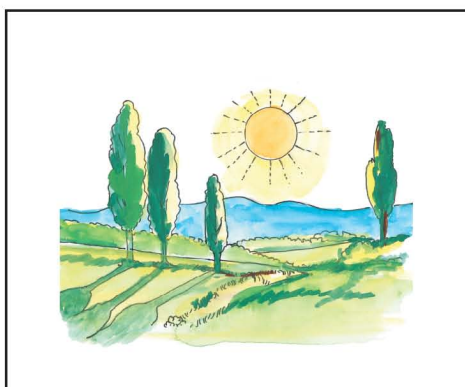
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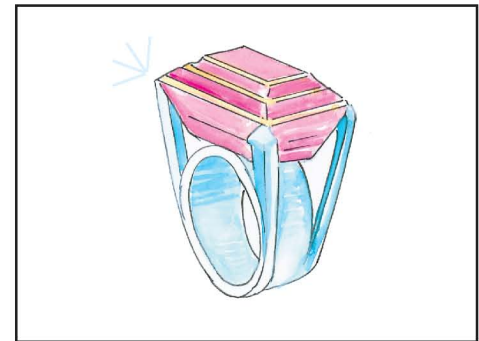
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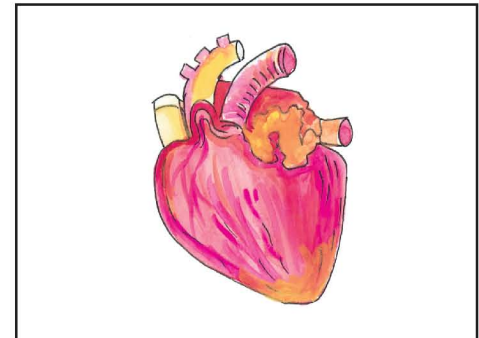
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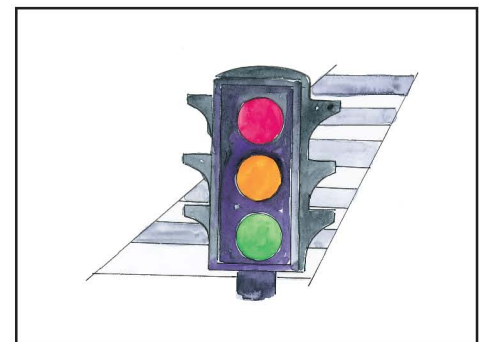
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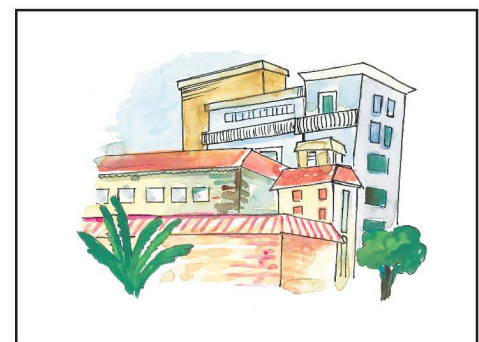
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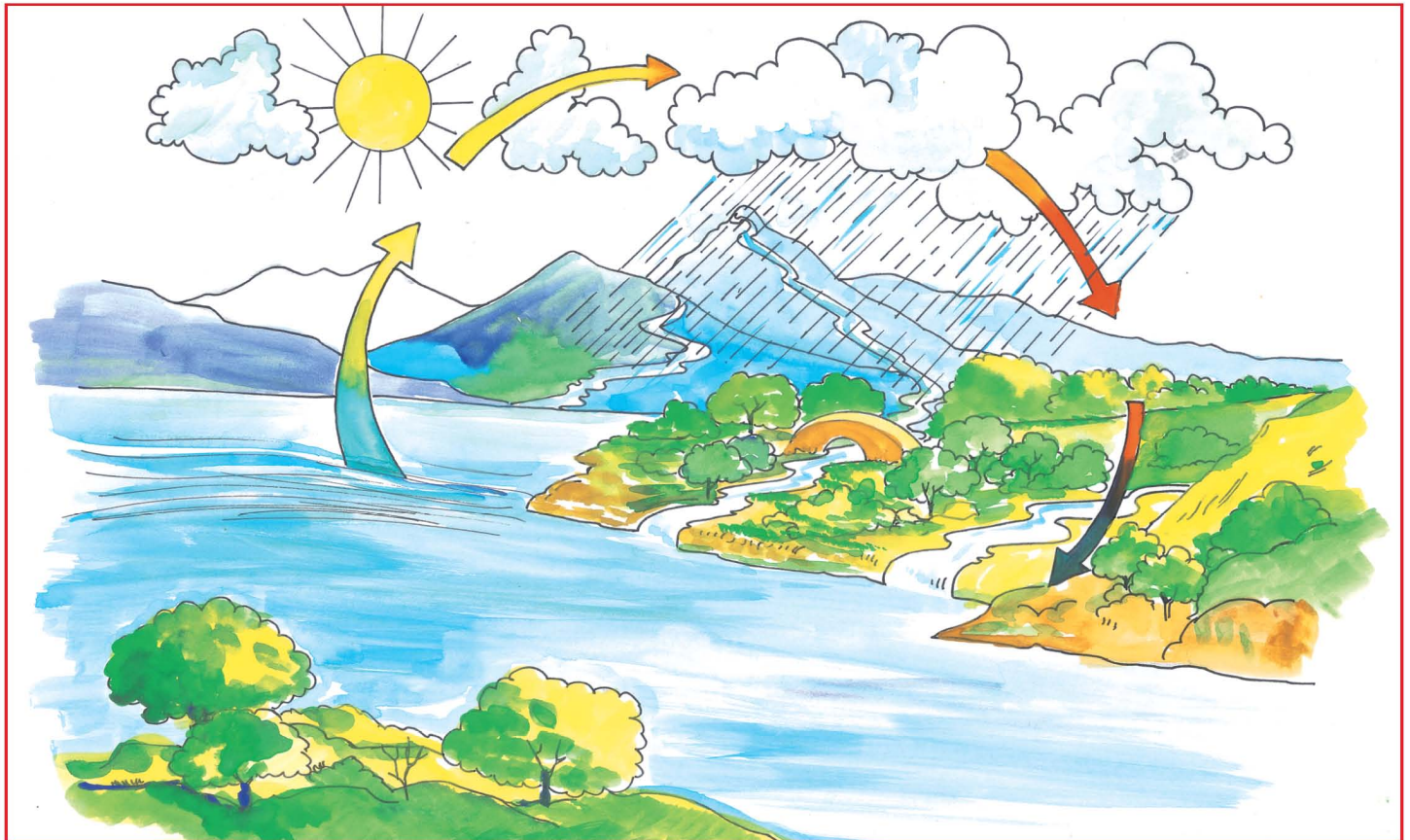
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## AIR, WATER AND WEATHER

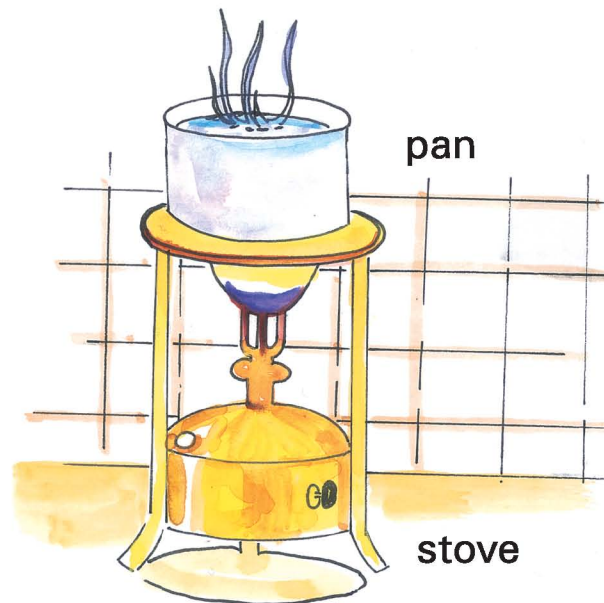




## Lesson 5

## AIR HAS WATER VAPOUR

Have you seen your mother **boiling** water on the stove? If she boils it for a long time there will be no water left in the pan. Where has it gone? All this water from the pan has gone into the **air**. Heat changes water into a **gas** called **water vapour**. This gas mixes with the air and we cannot see it.



**Air always has some water vapour in it.**

In summer, the air is **dry** and has very little water vapour in it. In the rainy season, air is **moist** and has a lot of water vapour in it.

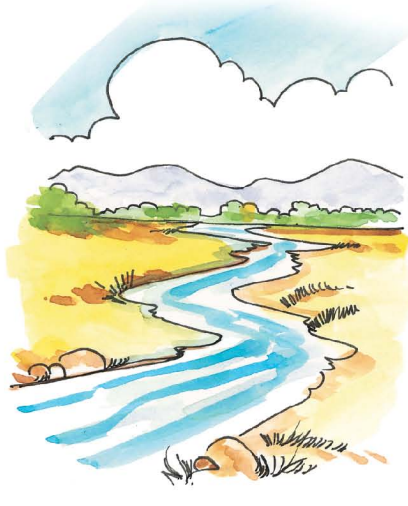
When we wash our clothes and put them out in the sun to dry, the water from them also goes into the air as water vapour.



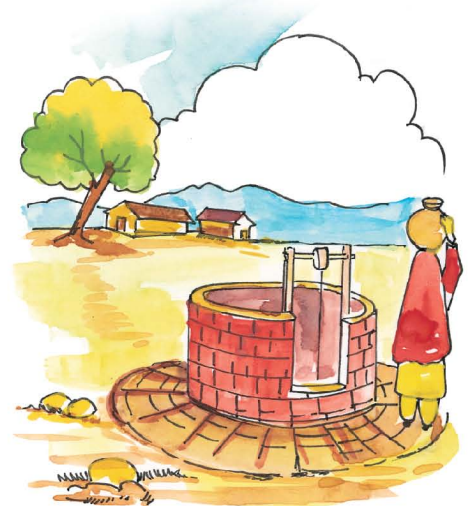
In summer, when the sun is very hot, ponds, rivers and wells dry up. The water from them also goes into the air as water vapour.



a pond



a river



a well

Anything that has water in it like fresh fruit and vegetables will also dry up if kept outside for a long time.



## Condensation

We have learnt that when we heat water it changes into water vapour which mixes with the air. Now we will see how when we **cool** the air, the water vapour in it **changes back** into water. This is called **condensation**. Let us see for ourselves.

Take a dry glass. Pour some water in it, add some cubes of ice to it and leave it for some time.

What do you see on the outer side of the glass?

.....

.....

.....



### Things to remember



1. When we heat water it changes into water vapour.
2. When we cool water vapour it changes back into water.
3. Air always contains water vapour.
4. In summer, the air is dry and has less water vapour in it.
5. In the rainy season, the air is moist and has more water vapour in it.

### Things to tell



1. Select the correct word from the brackets and fill in the blanks.
  - (a) Clothes dry quickly in ..... . (summer, rainy season)
  - (b) ..... changes water into vapour. (heating, cooling)
  - (c) ..... dry up when left outside. (books, apples)
  - (d) Ponds and lakes dry up in ..... . (summer, winter)
  - (e) ..... is a gas. (water vapour, water)
2. What happens when water boils in a pan for sometime?  
.....  
.....
3. Why do ponds and lakes dry up in summer?  
.....  
.....

### Things to do



1. Wash your socks and handkerchief and put them out in the sun to dry. Note the time.
  - (a) How long did it take for the handkerchief to dry?  
.....
  - (b) How long did it take for the socks to dry?  
.....
2. Take a glass half full of water. Put two cubes of ice in it. Note the time.
  - (a) How long did it take for the ice to melt?  
.....
  - (b) After how long did you see the drops of water on the outside of the glass?  
.....