

# **BOOK INFO**

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New  
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BOOK 3

# Simple Science

Saaima 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.

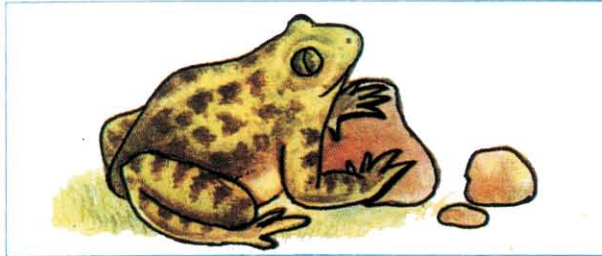
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2. HOUSES AND CLEANLINESS
3. ANIMALS AND BIRDS
4. TREES AND PLANTS
5. TRANSPOTATION
6. AIR AND WATER
7. SKY

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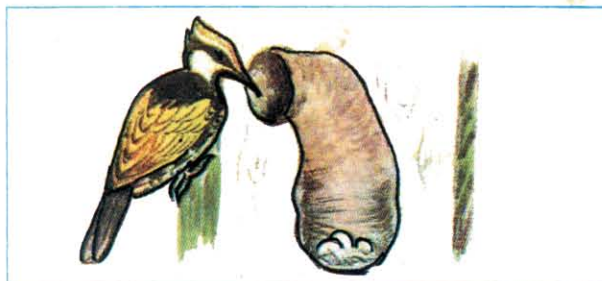
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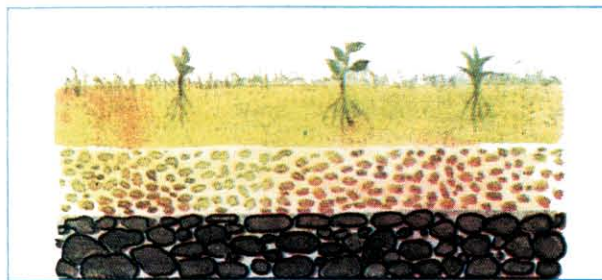
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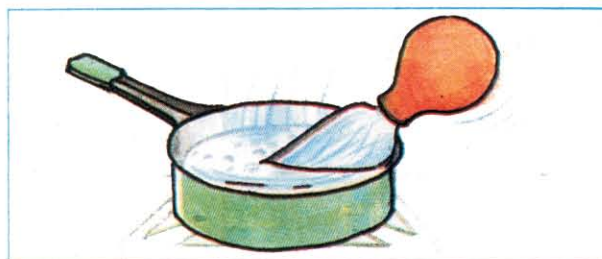
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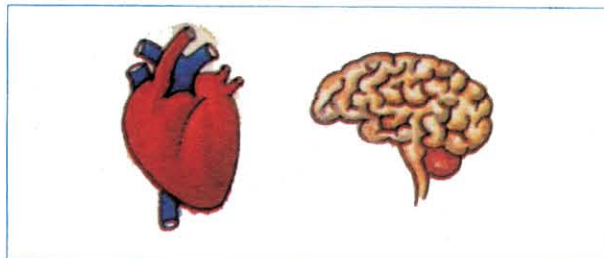
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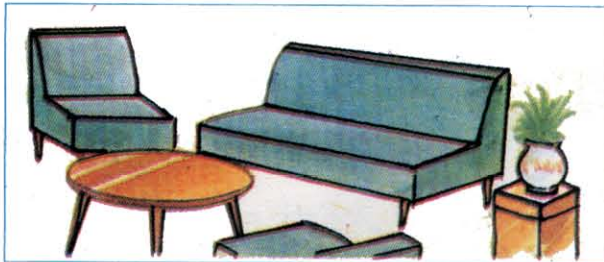
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## Lesson 10

## THE EARTH AND THE MOON

In this lesson you will learn :

- Some proofs which support the view that the earth is round.
- How day and night occur.
- Some interesting facts about the moon.
- Why we see different shapes of the moon.

The earth is like an **orange**. It is big and round and slightly **flattened** at the poles.

To us the earth looks flat but it is really **round**. We know that the earth is round because people have sailed around it. They went sailing on and on till they came back to the place from where they had started.

There are other things also that make us believe that the earth is round.

When there is an **eclipse** of the moon, the earth throws a round shadow on the moon. We know that shadows have the same shapes and forms as the object that causes them. So it proves that *the earth is round*.



### Things to remember



1. The earth is like a big round orange, but it is slightly flattened at the poles.
2. The earth spins on its axis. It goes round once in 24 hours.
3. The earth gets its light from the sun.
4. The half of the earth that faces the sun has day, the other half has night.
5. The sun appears to rise in the east and appears to set in the west.
6. The moon goes round the earth.
7. The moon has no light of its own. It shines because it reflects the light of the sun.
8. We see different shapes of the moon because we see different parts of its lighted face.
9. The moon is much smaller than the sun.
10. The earth is also much smaller than the sun.

### Things to tell



1. *Write short answers to these questions.*

1. How do we know that the earth is round?

.....

.....

.....

.....

.....

.....

2. What is atmosphere?

.....

.....

3. What do you mean by rotation of the earth?

.....

.....



4. When is it full moon?

.....  
.....

5. When is it new moon?

.....

II. Use these words to fill in the blanks.

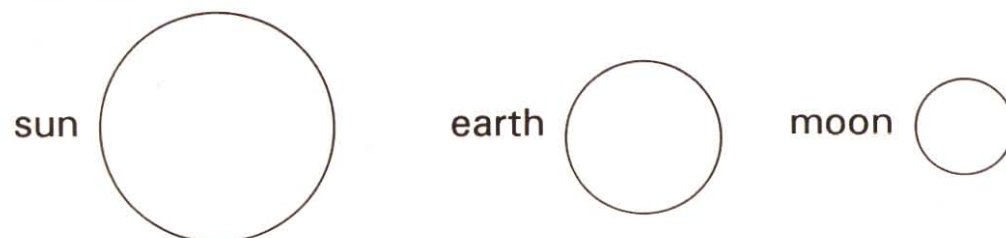
twenty-four day reflects new earth spins smaller sun  
east shapes

1. The earth ..... on its axis.
2. The moon goes round the .....
3. The earth takes ..... hours to go once round its axis.
4. The half of the earth that faces the sun has .....
5. The sun rises in the .....
6. We see different ..... of the moon.
7. The moon ..... the light of the sun.
8. It is full moon when the earth lies between the .....  
and the moon.
9. The moon is much ..... than the sun.
10. It is ..... moon when the moon lies between the sun and  
the earth.

III. Fill in **east** or **west**.

1. The earth spins from ..... to .....
2. The sun rises in the .....
3. The sun sets in the .....

### Things to do



- I.
  1. Colour the earth brown.
  2. Colour the sun yellow.
  3. Colour the moon very light blue.