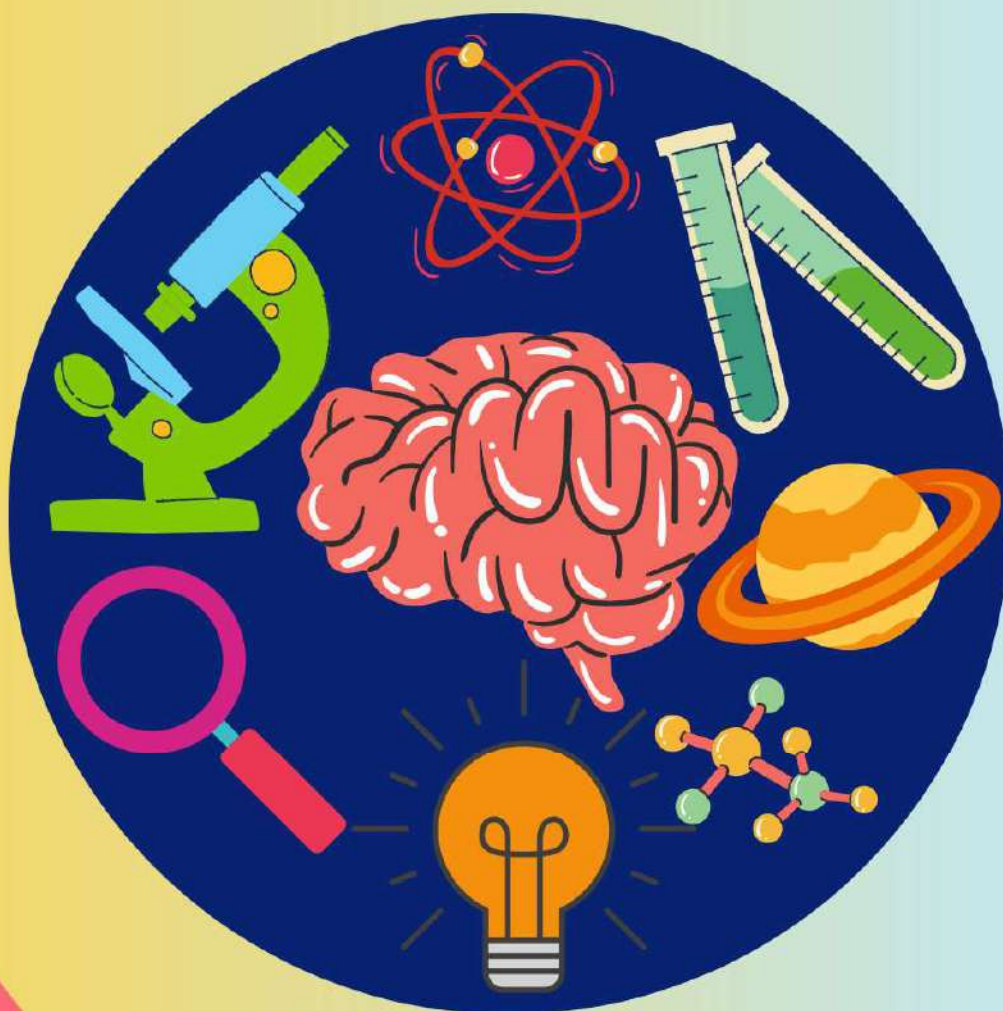


# SCIENCE WORKBOOK

1

For the preparation of National  
& International Olympiads



- Chapter-wise practice exercises
- Previous year paper

# Science Olympiad

## Exams Preparation Book

CSO | NSO | USO | iOS | NSTSE | HSO

**Grade 1**



#CRESTInnovator

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## CREST Science Olympiad Workbook for Grade 1

Second Edition

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**Disclaimer:** The information in the Workbook is to give you the path to success but it does not guarantee 100% success as the strategy is completely dependent on its execution. And it is based on previous year papers of CSO exam.

**Published & Distributed by:** Loyalty Square Analytic Solutions Private Limited  
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ISBN Number: 978-81-957365-5-3

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# Preface

We are pleased to launch a thoroughly revised edition of this workbook. We welcome feedback from students, teachers, educators and parents. For improvements in the next edition, please send your suggestions at [info@crestolympiads.com](mailto:info@crestolympiads.com).

CREST Olympiads is one of the largest Olympiad Exams with students from more than 25 countries. The objective of these exams is to build competitive spirit while evaluating students on conceptual understanding of the concepts.

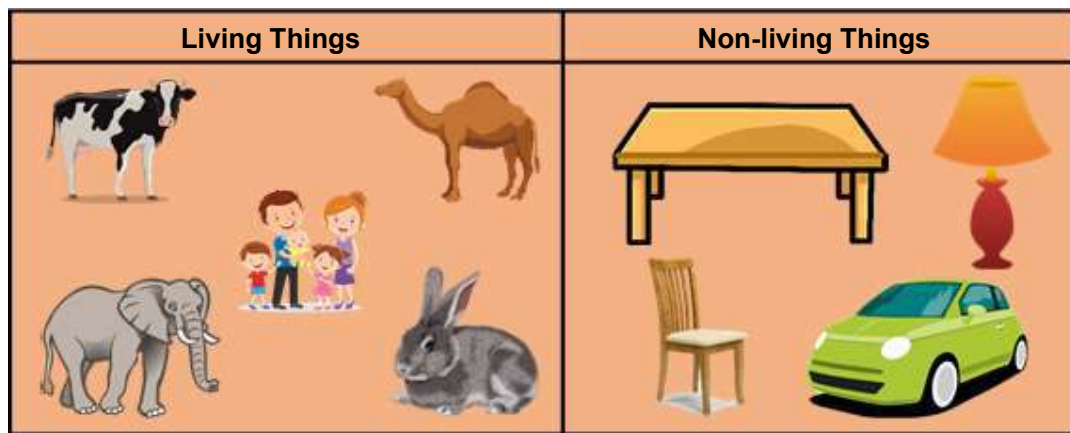
We strive to provide a superior learning experience, and this workbook is designed to complement the school studies and prepare the students for various competitive exams including the CREST Olympiads. This workbook provides a crisp summary of the topics followed by the practice questions. These questions encourage the students to think analytically, to be creative and to come up with solutions of their own. There's a previous year paper given at the end of this workbook for the students to attempt after completing the syllabus. This paper should be attempted in 1 hour to get an assessment of the student's preparation for the final exam.

*Publishers*

# Chapter 1

## Living and Non-Living Things

- Every day we see a lot of things around us.
- These things can be divided into two categories-living things and non-living things.
- The things which have life in them are called **living things**. For example, plants, animals, human beings, etc.
- Things that do not have life in them are called **non-living things**. For example, rocks, cars, books, etc.

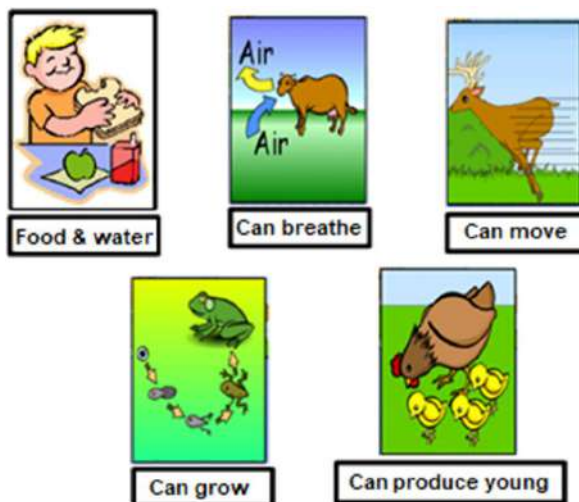


- Some non-living things like soil, water, wood, air, sand, etc are found in nature. These are known as **natural non-living things**.
- Some non-living things like pens, paper, clothes, toys, cars, etc. are not found in nature but made by man. These are known as **man-made non-living things**.



## Features of Living Things

1. Living things **show movement**. Birds fly, fish swim, some animals run or hop. Plants do not move from one place to another but show movements by moving their parts.
2. Living things **grow on their own**. Seeds grow into a plant while babies grow into young boys or girls and then into adult men or women.
3. All living things **need food and water** for energy, to grow and live. Without food living, things cannot survive and will starve to death.
4. All living things **breathe**. Living things cannot live without air. Living things like human beings take in air through their nose, fishes breathe through their gills, and plants exchange gases through stomata (small openings on the surface of their leaves).
5. All living things **feel**. We feel pain when somebody pricks us. Living things respond to changes around them in their surroundings.
6. Living things **grow old and die**. A stone or a pen remains unchanged forever but living things grow old, become weak, and die.
7. All living things **reproduce**. Human beings give birth to babies. Animals either lay eggs or give birth to their young ones.



## Features of Non-Living Things

1. Non-living things cannot move on their own.
2. Non-living things do not grow.
3. Non-living things do not require food or water.
4. Non-living things do not breathe.
5. Non-living things do not respond to any changes around them at all.
6. Non-living things do not reproduce.
7. Non-living things do not have any lifespan.

## Practice Questions

1. Look at the images shown in the table given below.  
Identify the correct group of living things from the given options:



Tree



Book



Horse



Aeroplane



Bird



Chair



fish

- a. Aeroplane, Bird, Fish, Horse  
b. Tree, Horse, Fish, Bird  
c. Books, Aeroplane, Chair, Fish  
d. Bird, Tree, Books, Chair
2. Arya's teacher gave her the assignment to collect non-living things for a class activity.  
Which of the following should not be in Arya's collection?

a.



Toy

b.



Laptop

c.



Money plant

d.



Blanket

3. Which of the following is a man-made thing?

a.



Mug

b.



Pebbles

c.



Groundnuts

d.



Wood



4. Identify the thing that can reproduce:



5. Which of the following is NOT true about living beings?

- a. Living things do not feel.
- c. Living things grow old and die.

- b. Living things need food.
- d. Living things reproduce.

6. Select the INCORRECT match:

- a. Soil – Natural thing
- c. Television – Man-made thing

- b. Helicopter – Living thing
- d. Crayon – Non-living thing

7. Select the ODD one out from the following:



8. Read the statements given below and choose the correct option:

Statement I: Man-made things are non-living things.

Statement II: All living things are natural things.

- a. Statement I is correct but statement II is wrong.
- b. Statement I is wrong but statement II is correct.
- c. Both the statements are wrong.
- d. Both the statements are correct.

9. Look at the animals shown:  
Which of the following characteristics of living things are these animals showing?









An elephant fanning its ear



A dog hanging out its tongue

- a. Living things grow.  
b. Living things need food to stay alive.  
c. Living things can respond to changes around them.  
d. Living things can reproduce.
10. Look at the given classification table. Select the option that correctly identifies the headings M and N:

<b>M</b>	 <b>Spider</b>	 <b>Hen</b>	 <b>Octopus</b>
<b>N</b>	 <b>Pencils</b>	 <b>Rubber bands</b>	 <b>Axe</b>

- a. M-Non-living things, N-Living things      b. M-Natural things, N-Man-made things  
c. M-Man-made things, N-Natural things      d. M-Things once alive, N-Things that grows
11. Which of the following does not require water for its survival?



12. Students have a pack of cards to organise into groups. Each card has a picture of a different object. The cards that belong to one of the groups are shown below:



Which picture card would best be placed in the above group?



Cupboard



Lamp



Rock



Comb

13. Look at the following pictures. Identify the correct statement about A and B:



A - Kangaroo



B - Toy Kangaroo

- a. A and B both are animals  
 b. A is a living thing and B is a non-living thing  
 c. A and B both are living things  
 d. A and B both can feel, move and breathe

14. Which of the following statement is CORRECT?

- a. A table can reproduce.  
 b. Hot air balloon can move so it is a living thing.  
 c. Plants and animals need food to live  
 d. Rocks and mountains are man-made things.

- 15.** Read the following statements and choose the correct option:  
 Statement I: A cot does not feel pain when we hit it because it is a non-living thing.  
 Statement II: A sparrow reproduces by giving birth to young ones.
- Statement I is correct but statement II is wrong.
  - Statement I is wrong but statement II is correct.
  - Both the statements are wrong.
  - Both the statements are correct.

- 16.** Which of the following need sunlight and water to live?



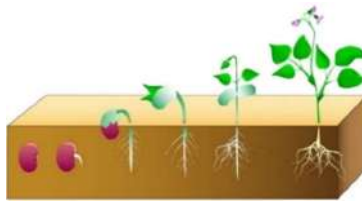
- 17.** Solve the riddle.  
 My first letter is in fool but not in cool.  
 My second letter is in the round but not in found.  
 My third letter is in long but not in lung.  
 My fourth letter is in a bang but not in a band.  
 I need food and water to be alive.  
 I am a \_\_\_\_\_.

- Bat
- Frog
- Dog
- Lion

- 18.** Identify X in the given sequence.  
 Moon : Natural thing :: X : Man-made thing



19. Observe the image shown below and fill in the blank:  
This picture proves that living things \_\_\_\_\_.



- a. grow  
b. move  
c. breathes  
d. feel changes around them
20. Which of the following is obtained from a living thing?



Plastic cup



Honey



Bicycle



Television

## CREST International Spell Bee (Summer & Winter)

For Grades 1-8



### Exam Highlights

- Online proctored Spell Bee exam
- Focus on evaluating spellings, meanings and pronunciation.
- Exam Pattern: MCQ type questions + Audio Round (Students need to hear the question & write the spelling of the word asked)
- Get to attempt 2 Free Practice Tests



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