

PM SHRI KENDRIYA VIDYALAYA NO. 2, AFS, SRINAGAR
WINTER VACATIONS HOMEWORK
SUBJECT: SCIENCE (CLASS: 6TH)

(i) Revision Of Term II Syllabus:-

Chapter 7: Temperature and its Measurement.

Chapter 8: A Journey through States of Water.``

Chapter 9: Methods of Separation in Everyday Life

Chapter 10: Living Creatures: Exploring their Characteristics)

Revise these above chapters and practice by writing.

Complete your notebook up to Ch-10 (Living creatures: Exploring their Characteristics)

(ii) Learners Dairy: Make your Learners dairy for all the above chapters' i. e. up to Ch-10.

- The written part should be done neatly in your handwriting in homework copy.
- READ, LEARN and REVISE all the above chapters thoroughly for the upcoming test to be held after vacations.

(iii) Activities/ Project/Assignment:

❖ Prepare at least 10-15 flash card from any of the above Chapters mentioned above containing all the important topics of that chapter. (Compulsory)

Prepare one projects.

(iv) MDP PROJECT: (Compulsory) Any one from the above chapters
or

Topic: "Understanding Living Beings Through Their Characteristics"
What the topic covers.

You will explain:

What makes something a living being.

The main characteristics (growth, movement, respiration, nutrition, excretion, reproduction, response to stimuli).

Examples from plants, animals, and microorganisms.

Why these characteristics are important.

How living beings differ from non-living things.

"Methods of Separation Used in Our Daily Life .

Structure of the Booklet

Page 1: Cover Page (Title Page)

Title: "METHODS OF SEPARATION IN EVERYDAY LIFE – A SCIENCE BOOKLET"

(Add a creative drawing showing sieve, magnet, filter funnel, etc.)

Student Details:

Submitted by: _____

Class: 6

Roll No.: _____

Submitted to: _____

Page 2: Introduction

Write an introduction explaining:

What a mixture is.

Why separation of mixtures is necessary.

Where separation is used in daily life (kitchen, agriculture, water purification, etc.)

Importance of learning these methods

Page 3: Types of Mixtures

Explain with small examples:

Solid–solid mixture (rice + stones)

Solid–liquid mixture (sand + water)

Liquid–liquid mixture (oil + water)

Draw simple diagrams.

Page 4: Handpicking

Explain:

Principle: difference in size and shape

Examples: removing stones from rice, spoiled grains from wheat

Include a neat drawing

Page 5: Sieving

Explain:

Used to separate particles based on size

Examples: sieving flour, sand and gravel

Draw a sieve diagram

Page 6: Winnowing

Explain:

Principle: difference in weight

How wind helps separate husk from grain

Give examples from fields and farms

Add a drawing

Page 7: Sedimentation and Decantation

Explain step-by-step:

Heavy particles settle at the bottom

Clear water is poured off

Examples: muddy water

Add diagrams of both processes.

Page 8: Filtration

Explain:

Used for separating insoluble solids from liquids

Tools: filter paper, funnel

Real-life uses: water filter, tea filter

Add labelled diagram.

Page 9: Evaporation

Explain:

❖ Used to separate dissolved solids from liquids

Example: getting salt from seawater

Include a neat drawing of the process.

Page 10: Magnetic Separation

Explain:

❖ Used when one component is magnetic

Example: separating iron filings from sand

Add a simple magnet diagram.

Page 11: Uses of Separation in Daily Life

Give points on:

Kitchen uses

Farming uses

Water purification

Industries

Environmental use (waste separation)

Page 12: Activity / Experiment

Add one simple activity:

Example:

“Separating sand and water using sedimentation + decantation + filtration.”

Steps, materials, and observation.

Include 2–3 small drawings

Thank You Page

Write a short message:

“Thank you for reading my booklet.”

Mention:

Submitted by: _____

Submitted to: _____