



# BK BIRLA CENTRE FOR EDUCATION

SARALA BIRLA GROUP OF SCHOOLS  
SENIOR SECONDARY/CO-ED DAY CUM BOYS' RESIDENTIAL  
SCHOOL



**Annual Exam - 2024-25**

**SUBJECT: SCIENCE (Marking Scheme)**

**Class : IV**  
**Date : 19-03-2025**

**Duration : 2 Hours**  
**Max. Marks : 40**

**Adm. No.:** .....

**Roll No.** .....

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**I Fill in the blanks.**

**5x1=5 marks**

1. Movement of \_\_\_\_\_air\_\_\_\_\_ (air/ water) causes wind.
2. \_\_Warm\_\_(warm/cold) air rises up.
3. The Earth is \_\_tilted\_\_\_\_\_ (vertical / tilted) at the axis.
4. Land cools \_\_faster\_\_\_\_\_ (faster / slower) than water.
5. Sea breeze blows during the \_\_\_\_\_day\_\_\_\_\_ (day / night)

**II Answer in one word.**

**5x1=5 marks**

1. I am the planet that everyone calls “Red”.  
But really, my soul is just rust -coloured instead.  
look up, and you may spot me in the sky.  
I am the orange colour dot, way up high.  
Which planet am I?—Mars
2. With over 63 moons, you might say I have a lot.  
Look with the telescope, you see my big ,red spot.  
The spot is a wind storm,swirling around.  
High in this night, sky is where I can be found.  
Which planet am I?—Jupiter.
3. I am blue and green and a little brown.  
I am a small planet with life all around.  
They call me the third rock from the sun.  
I don’t have many moons - just one.

Which planet am I?\_\_Earth.

4. No matter how hard you look, you will never find me.  
Unless you have a telescope to help you see.  
I was once called a planet, but not any more.  
Now I am just a “Dwarf planet”, but two important to ignore.

Which planet am I?\_pluto

5. Look very close to the sun, and you will spot me.  
A tiny cratered planet, that’s very hot.  
I have no moons, but I orbit the sun very fast.  
Can you guess my name at last?

Which planet am I?\_Mercury

**III Answer the following questions in breif.**

**4x2=8 marks**

6. What is force?

Ans Force is push or pull.

7. What is freezing?

Ans Freezing is a process in which liquid turns into solid.

8. What is melting?

Ans Melting is a process in which solid turns into liquid.

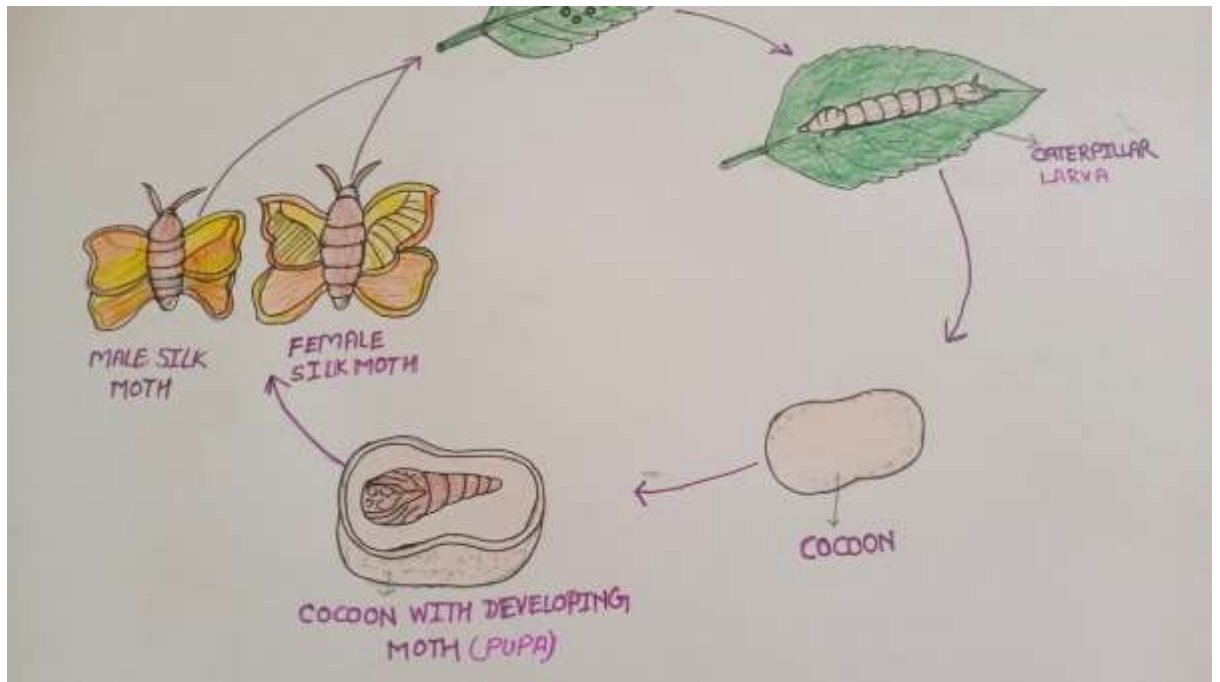
9. What is sublimation?

Ans Sublimation is a process in which solid turns into gas.

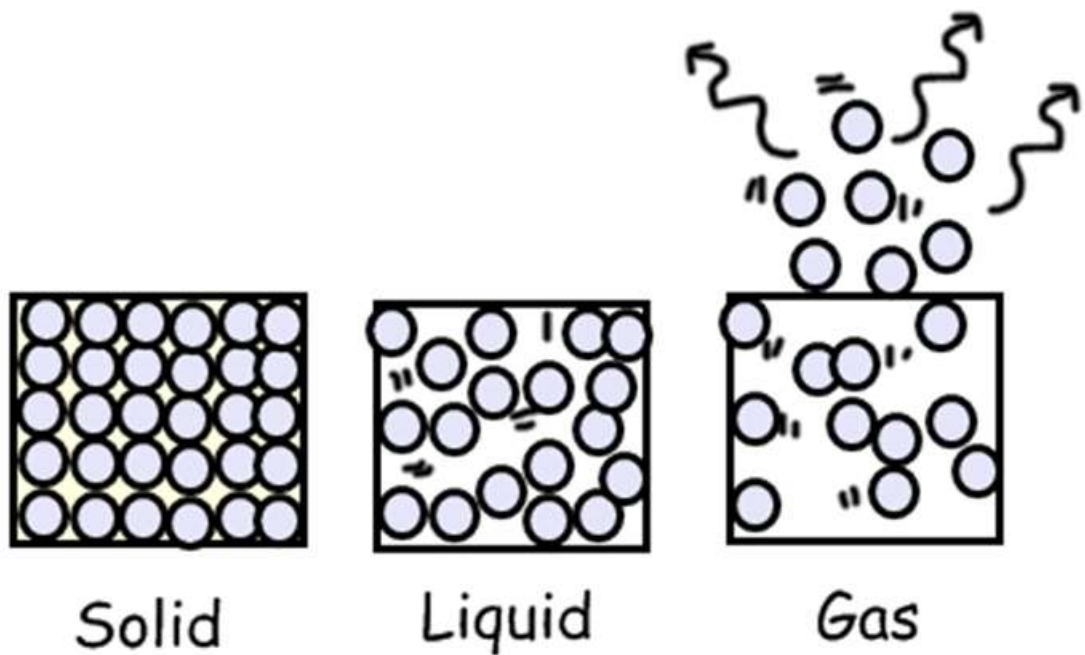
**IV Answer the following questions in detail.**

**4x3=12 marks**

- 10.Explain life cycle of silk moth with the help of a diagram.



11. Draw molecules of solid, liquid and gas.



12. How many types of pollution are there? Name them.

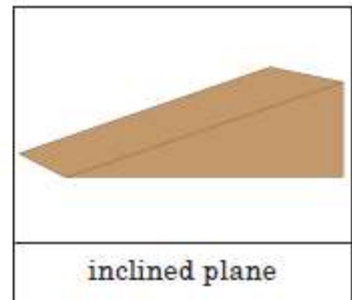
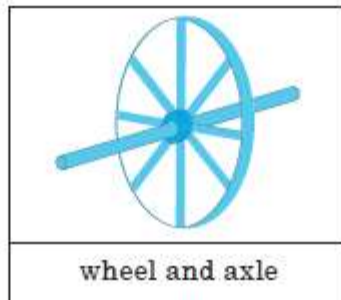
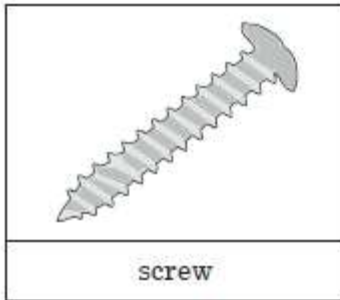
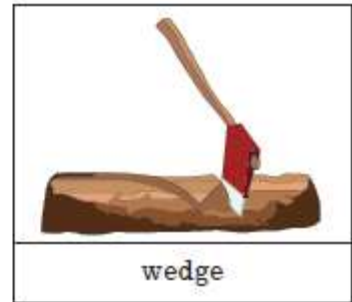
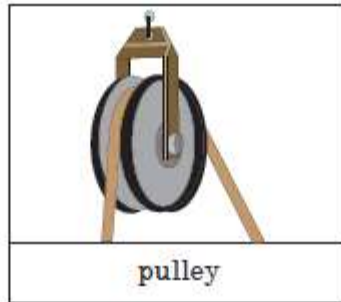
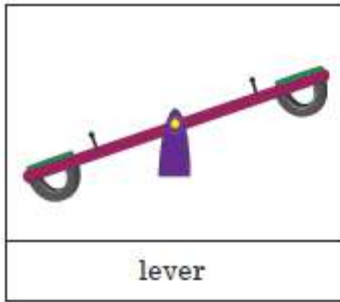
Ans There are four types of pollution. They are

- a. Water pollution
- b. Land pollution
- c. Air pollution
- d. Noise pollution

13. Draw any five simple machines.

Name: \_\_\_\_\_

## Simple Machines



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**V Answer the following questions in detail.**

**2x5=10 marks**

14.Explain sea breeze.

Ans The Sun rises in the morning.  
It makes the land hot .  
Air above land also become hot.  
Hot air rises up.  
Sea water is cold.  
Air above sea is also cool.  
Cool breeze from sea blows to land.  
This is called sea breeze.



15. Explain air pollution with the help of a diagram.



\*\*\*\*\*Best of Luck\*\*\*\*\*