Exercises

Exercise 01:

Fill in the blanks with the appropriate scientific terms:

1.	The is a testable explanation for a phenomenon in an experiment.		
2.	In the materials and methods section, you the experiment.	should provide a detailed	of
3.	The data collected should be presented in	or	form.
4.	The results of the experiment must be	to determine their sign	nificance.
5.	The section summarizes the key findings and their implications.		
6.	The use of the voice is action or process.	common in scientific writing to emp	phasize the

Solution

- 1. The **hypothesis** is a testable explanation for a phenomenon in an experiment.
- 2. In the materials and methods section, you should provide a detailed **procedure** of the experiment.
- 3. The data collected should be presented in **tables** or **graphical** form.
- 4. The results of the experiment must be **analyzed** to determine their significance.
- 5. The **discussion** section summarizes the key findings and their implications.
- 6. The use of the **passive** voice is common in scientific writing to emphasize the action or process.

Exercise 02: Experiment Report

Write a brief experiment report on the following experiment. Follow the structure discussed in the course, including the title, introduction, materials and methods, results, discussion, and conclusion.

Experiment Title:

The Influence of Temperature on Water Evaporation Rate

Introduction:

Explain the purpose of the experiment and provide a hypothesis.

Materials and Methods:

Describe the materials and equipment used and outline the experimental procedure.

Results:

Present the data you collected, and use appropriate graphs or tables.

Discussion:

Interpret the results and discuss their implications.

Conclusion:

Summarize the key findings and suggest potential areas for further research.