

## Chapter 1

### Section 1-2 How Scientists Work

#### I. Designing an Experiment

A. Great philosopher \_\_\_\_\_ made extensive observations of the natural world and tried to explain his observations through reasoning.

B. Steps in Designing an experiment

- a) State the problem
- b) Form a hypothesis
- c) Set up a controlled experiment

C. Hypothesis should be tested by an experiment in which only \_\_\_\_\_ variable is changed at a time

- a) This type of experiment is called a \_\_\_\_\_ experiment
  - i. The variable that is changed is the \_\_\_\_\_ variable
  - ii. The variable that is observed and that changes is the \_\_\_\_\_ variable

D. Recording and Analyzing Results

E. Drawing a conclusion

#### II. Publishing and Appearing Peer-reviewed

A. Scientists expect to test one another's experiments and review the published experiments to make sure there are no flaws or discrepancies

B. Publication is Test of One's Findings

C. Little is more valued than \_\_\_\_\_, which means

# Prentice Hall Biology Chapter 1 Test

**M Woodhall**



**Prentice Hall Biology Chapter 1 Test:**

## **Prentice Hall Biology Chapter 1 Test** Book Review: Unveiling the Magic of Language

In a digital era where connections and knowledge reign supreme, the enchanting power of language has become more apparent than ever. Its power to stir emotions, provoke thought, and instigate transformation is really remarkable. This extraordinary book, aptly titled "**Prentice Hall Biology Chapter 1 Test**," compiled by a highly acclaimed author, immerses readers in a captivating exploration of the significance of language and its profound effect on our existence. Throughout this critique, we will delve to the book is central themes, evaluate its unique writing style, and assess its overall influence on its readership.

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