# Mastering Biology Final Exam Questions and Answers

Which of the following are qualities of any good scientific hypothesis?

I. It is testable.

III. It is falsifiable.

III. It produces quantitative data.

IV. It produces results that can be replicated. - Answer -I and II

Cells are \_\_\_\_\_\_. - Answer -characteristic of prokaryotic and eukaryotic organisms

Which of these provides evidence of the common ancestry of all life? - Answer -near universality of the genetic code

How does a scientific theory differ from a scientific hypothesis? - Answer -Theories are usually an explanation for a more general phenomenon; hypotheses typically address more specific issues.

A friend of yours calls to say that his car would not start this morning. He asks for your help. You say that you think the battery must be dead. If so, then jump-starting the car from a good battery will solve the problem. In doing so, you are \_\_\_\_\_\_ - Answer - stating a hypothesis and using that hypothesis to make a testable prediction

Knowing the atomic mass of an element allows inferences about which of the following?

- Answer -number protons plus neutrons in the element

Nitrogen (N) is more electronegative than hydrogen (H). Which of the following is a correct statement about the atoms in ammonia (NH3)? - Answer -Each H atom has a partial positive charge; the N atom has a partial negative charge.

What results from the chemical reaction illustrated above? The reactants have no charge. - Answer -a cation with a net charge of +1 and an anion with a net charge of -1

An atom (such as C) has four electrons in its valence shell. What types of covalent bonds is it capable of forming? - Answer -single, double, or triple

Based on your knowledge of the polarity of water molecules, the solute molecule depicted here is most likely \_\_\_\_\_\_. - Answer -positively charged

# **Mastering Biology Exam Answers**

Michael Rajnik

**Mastering Biology Exam Answers:** 

## Mastering Biology Exam Answers Book Review: Unveiling the Power of Words

In a world driven by information and connectivity, the power of words has be much more evident than ever. They have the ability to inspire, provoke, and ignite change. Such could be the essence of the book **Mastering Biology Exam Answers**, a literary masterpiece that delves deep into the significance of words and their impact on our lives. Written by a renowned author, this captivating work takes readers on a transformative journey, unraveling the secrets and potential behind every word. In this review, we will explore the book is key themes, examine its writing style, and analyze its overall affect readers.

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