

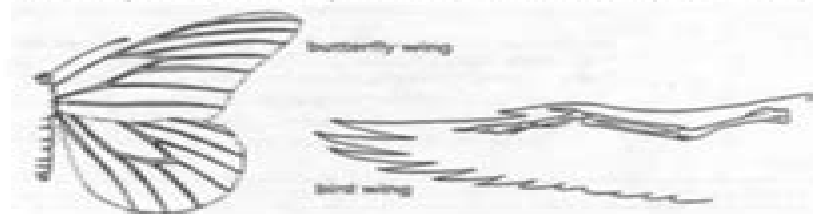
**INTRODUCTION:** Evidence has been found to indicate that living things have changed gradually during their natural history. The study of fossils as well as embryology, biochemistry, and comparative anatomy provides evidence for evolution. In this lab activity you will learn about homologous, analogous, vestigial structures, fossils, embryology and biochemistry and their significance in evolution theory.

**PROCEDURE:****HOMOLOGOUS STRUCTURES**

1. Carefully examine the drawings of the bones. Look for similarities among the various animals.
  - a. COLOR each part of the human arm a different color using the following key.  
 Humerus: Yellow    Carpals: Red    Radius: Blue    Ulna: Green  
 Metacarpals: Purple    Phalanges: Orange
  - b. In Table 1 (question #2 on the Answer Sheet describe the function of each set of bones and answer the question.)
  - c. Answer question number 3

**ANALOGOUS STRUCTURES**

1. Examine the butterfly wing and the bird wing. Answer questions 4-6 on the answer sheet.

**VESTIGIAL STRUCTURES**

1. Gradual changes have occurred through time that have in some cases reduced or removed the function of some body structures and organs. The penguin's wings and the leg bones of snakes are examples of this phenomenon.
2. The cave fish and minnow are related, but the cave fish is blind. Answer questions 7-8 on the answer sheet.



Figure 3

3. Read the list of human vestigial structures in Table 2 (question #9). Suggest a possible function for each structure and explain why it became vestigial. Then complete questions 10-12

**EVIDENCE FROM EMBRYOLOGY**

1. Evolution occurs slowly. In most cases, it is not possible to observe evolution in progress. However, evidence of evolution can be found by observing the early stages of development in vertebrates. All vertebrate embryos start out similar in appearance. This similarity has led scientists to think that these organisms have a common ancestor. The diagrams below illustrate stages in the embryonic development of a fish, a pig, and a human.
2. Study the diagrams below and answer the questions 13 & 14 on the answer sheet.



# Lab Evidence Of Evolution Answer

**R Pring**



## **Lab Evidence Of Evolution Answer:**

This book delves into Lab Evidence Of Evolution Answer. Lab Evidence Of Evolution Answer is a crucial topic that must be grasped by everyone, from students and scholars to the general public. The book will furnish comprehensive and in-depth insights into Lab Evidence Of Evolution Answer, encompassing both the fundamentals and more intricate discussions.

1. This book is structured into several chapters, namely:
    - Chapter 1: Introduction to Lab Evidence Of Evolution Answer
    - Chapter 2: Essential Elements of Lab Evidence Of Evolution Answer
    - Chapter 3: Lab Evidence Of Evolution Answer in Everyday Life
    - Chapter 4: Lab Evidence Of Evolution Answer in Specific Contexts
    - Chapter 5: Conclusion
  2. In chapter 1, this book will provide an overview of Lab Evidence Of Evolution Answer. This chapter will explore what Lab Evidence Of Evolution Answer is, why Lab Evidence Of Evolution Answer is vital, and how to effectively learn about Lab Evidence Of Evolution Answer.
  3. In chapter 2, the author will delve into the foundational concepts of Lab Evidence Of Evolution Answer. The second chapter will elucidate the essential principles that need to be understood to grasp Lab Evidence Of Evolution Answer in its entirety.
  4. In chapter 3, this book will examine the practical applications of Lab Evidence Of Evolution Answer in daily life. The third chapter will showcase real-world examples of how Lab Evidence Of Evolution Answer can be effectively utilized in everyday scenarios.
  5. In chapter 4, the author will scrutinize the relevance of Lab Evidence Of Evolution Answer in specific contexts. This chapter will explore how Lab Evidence Of Evolution Answer is applied in specialized fields, such as education, business, and technology.
  6. In chapter 5, the author will draw a conclusion about Lab Evidence Of Evolution Answer. This chapter will summarize the key points that have been discussed throughout the book.
- This book is crafted in an easy-to-understand language and is complemented by engaging illustrations. This book is highly recommended for anyone seeking to gain a comprehensive understanding of Lab Evidence Of Evolution Answer.

<https://staging.conocer.cide.edu/files/scholarship/HomePages/Inhalation%20Toxicology%20And%20Technology.pdf>

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