

Assessment

Chapter Test B**Theory of Evolution**

In the space provided, write the letter of the description that best matches the term or phrase.

- | | |
|-------------------------------------|--|
| _____ 1. natural selection | a. the lowest stratum in a sequence of strata is the oldest |
| _____ 2. fitness | b. trace of long-dead organism |
| _____ 3. acquired trait | c. process which results in similar traits in unrelated species |
| _____ 4. biogeography | d. process in which many related species evolved from a single ancestral species |
| _____ 5. fossil | e. trait that is not determined by genes |
| _____ 6. principle of superposition | f. an organism's contribution to the next generation |
| _____ 7. convergent evolution | g. differential reproductive success caused by the environment |
| _____ 8. adaptive radiation | h. study of geographical distribution of organisms |
| _____ 9. phylogeny | i. trait that makes an individual successful |
| _____ 10. adaptation | j. determined by radiometric dating |
| _____ 11. vestigial structure | k. whale pelvis |
| _____ 12. absolute age | l. relationships among groups of organisms |

In the space provided, write the letter of the term or phrase that best completes each statement or best answers each question.

- _____ 13. From the principle of superposition, what can generally be determined about fossils in a sequence of sedimentary rock?
- the absolute age of the fossils
 - the relative age of the fossils
 - how well adapted the fossil organisms were to their environment
 - the embryology of the fossil species
- _____ 14. An analysis of the DNA from these organisms would indicate that
- their DNA is identical.
 - they are all transitional species.
 - their nucleotide sequences show many similarities.
 - they all have the same number of chromosomes.

Modern Biology Chapter Tests Answers

Emilie Sanchez



Modern Biology Chapter Tests Answers:

This book delves into Modern Biology Chapter Tests Answers. Modern Biology Chapter Tests Answers is an essential topic that needs to be grasped by everyone, from students and scholars to the general public. This book will furnish comprehensive and in-depth insights into Modern Biology Chapter Tests Answers, encompassing both the fundamentals and more intricate discussions.

1. The book is structured into several chapters, namely:
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web complete the nuclear equation to find the atomic number of californium ${}_{98}^{249}\text{Cf} \rightarrow {}_{98}^{245}\text{Cf} + {}_2^4\text{He}$ by firing heavier particles such as carbon or boron ions at the target materials heavier elements can be synthesised

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web nuclear equations represent the reactants and products in radioactive decay nuclear fission or nuclear fusion instead of chemical equations where it shows the different number of elements is conserved in a reaction in a nuclear reaction the atomic mass and proton number are conserved