

CHAPTER 1

Chapter Test **A** The Study of Life

Day 1

Part A: Multiple Choice

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

- _____ 1. Which would be an activity conducted by a biologist?
- A. describe the behavior of brown bats
 - B. design a new, solar-powered car
 - C. identify the cause of an earthquake
 - D. teach people how to plant corn
- _____ 2. The white hair of a polar bear is an example of a(n) _____
- A. adaptation.
 - B. development.
 - C. response.
 - D. stimulus.
- _____ 3. A testable explanation of a situation is called a(n) _____
- A. experiment.
 - B. hypothesis.
 - C. inference.
 - D. observation.







Part B: Completion

Check each box to indicate whether or not each question is scientific or non-scientific.

Question	Scientific	Non-Scientific
1. Can HIV be spread by casual contact?		
2. Do people have the ability to read minds?		
3. Who is the greatest NBA basketball player of all time?		
4. What is the most important human invention?		

Chapter Test **A** CONTINUED

Part C: Interpreting Drawings and Graphs

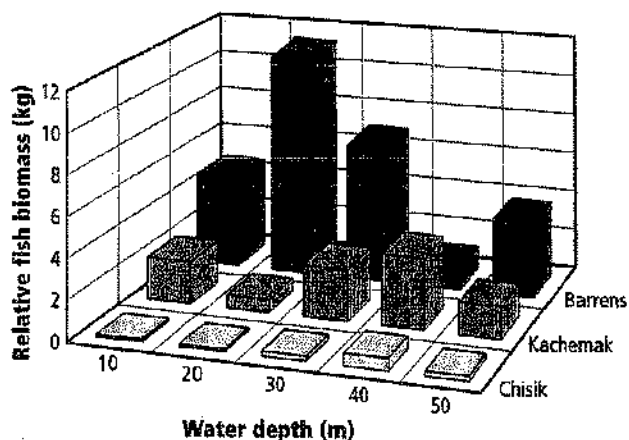
Safety Symbols					
					
A	B	C	D	E	F

Use the illustrations above to respond to the following statement.

1. Identify the safety symbols labeled A–F.

A. _____ D. _____
 B. _____ E. _____
 C. _____ F. _____

Relative Fish Biomass of Three Seabird Colonies in Lower Cook Inlet



Use the graph above to respond to the following question.

2. **Interpret** What is the fish biomass in the Barrens colony at a depth stratum of 10 m?

Part D: Short Answer

Write your response to each statement in the space provided.

1. Define *biology*.

Chapter Test A CONTINUED

2. Describe several characteristics organisms share.

3. Define *reproduction*.

Part E: Concept Application

Write your response to each statement in the space provided.

1. Consider how a person who enjoys the beach can act like a biologist.

2. **Infer** A donkey and a horse can be mated to produce a mule, but mules are sterile and cannot have offspring. Infer whether donkeys and horses should be considered the same species. Explain.

3. **Explain** why a scientist should welcome scientific data that contradicts a part of the theory of biological evolution.
