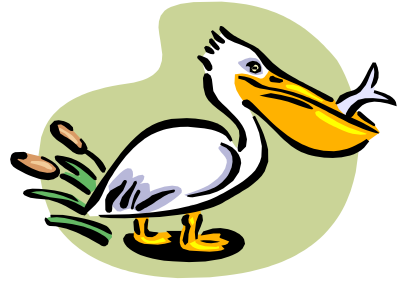


Unit IV

Chapter 13

Marine Reptiles and Birds



Performance Standards

Demonstrate an understanding of the diversity of reptiles and birds found in the marine environment.

SC.F.1.4.2 Know that body structures are uniquely designed and adapted for their function

SC.G.1.4.1 Know of the great diversity and interdependence of living things.

SC.G.1.4.2 Understand how the flow of energy through an ecosystem made up of producers, consumers and decomposers carries out the processes of life and that some energy dissipates as heat is not recycled.

SC.G.2.4.3 Understand how genetic variation of offspring contributes to population control in an environment and that natural selection ensures that those who are the best adapted to their surroundings survive to reproduce.

Saltwater environments are home to a variety of marine birds and reptiles. At first glance, reptiles and birds appear to be very different from each other. However, on closer examination you will notice some similarities.

STUDENT INSTRUCTIONS

1. Read chapter 13 pages 274-288 in your text and
 - a. write definitions, or...
 - b. draw pictures or...
 - c. make diagrams for each of the 24 vocabulary words on page 291.
2. After reading each section of the chapter, answer the section review questions on pages 283 and 288.
3. Complete the Extended Response question on the following page.

READ
THINK
EXPLAIN

4. Write an essay following the FCAT writing format describing the risks and benefits of marine turtles burying their fertilized eggs in the sand and leaving them to hatch on their own.
5. Complete Lab Investigation “Adaptive Features of Marine Reptiles and Birds.”
6. Turn in all completed work and ask your instructor for the Chapter 13 Test.

Lab Investigation: *Adaptive Features of Marine Reptiles and Birds* →

Problem: What are some features of birds and reptiles that show adaptations to the marine environment?

Procedure

1. Using the textbook or other resources, observe the features of various marine reptiles. Make a copy of Table 13-1 on page 289. List one or more features for each animal that you think may be specialized for its life in the water. What function does the particular feature serve? That is, how is it adaptive for an animal that spends more time in the water than on land? You can note the same feature more than once.
2. Observe the various representative marine birds. Make a copy of Table 13-2 on page 290. List the features for each bird that you think enable it to function well in a marine environment, or list the particular function or purpose that the adaptive feature serves for the bird. You can add other features or functions that are not listed in the table but that are also important for survival in the bird's particular habitat.

Observation and Analyses

1. Describe three features of marine reptiles that are adaptive for living in an aquatic environment.
2. Describe five features of seabirds that are adaptive for feeding and/or living in a marine environment.
3. What are some adaptive features that are similar in both marine reptiles and marine birds? List the particular birds and reptiles.