

Unit VII

Chapter 22

Pollution in the Marine Environment



Performance Standards

Demonstrate an understanding of the importance of clean waters to aquatic life forms.

SC.D.2.4.1 Understand the interconnectedness of the systems on Earth and the quality of life.

SC.G.2.4.1 Know that layers of energy rich organic materials have been gradually turned into great coal beds and oil pools (fossil fuels) by pressure of the overlying earth and that humans burn fossil fuels to release the stored energy as heat and carbon dioxide.

SC.G.2.4.2 Know that changes in a component of an ecosystem will have unpredictable effects on the entire system but that the components of the system tend to react in a way that will restore the ecosystem to its original condition.

SC.G.2.4.5 Understand that the amount of life any environment can support is limited and that human activities can change the flow of energy and reduce the fertility of the Earth.

SC.G.2.4.6 Know the ways in which humans today are placing their environment support systems at risk (rapid human population growth, environmental degradation, resource depletion).

For many years, the ocean has been used as a dump for the disposal of human wastes and litter. We now find wastes produced by industrial societies washing up on remote tropical islands. Toxic chemicals have been found in the bodies of ocean animals.

STUDENT INSTRUCTIONS

1. Read Chapter 22, pages 502-525 in your text and
 - a. write definitions or ...
 - b. draw pictures or ...
 - c. make diagrams for each of the 14 vocabulary words on page 528.
2. After reading each section of the chapter, answer the section review questions on pages 507, 516, 521 and 525.
3. Complete the Extended Response question on the following page.

READ
THINK
EXPLAIN

4. Write an essay following the FCAT writing format explaining why it might be dangerous to eat shellfish that were gathered near a harbor.
5. Turn in all completed work and ask your instructor for the Chapter 22 Test.
