

## Chapter 18

## STUDY GUIDE

## ● Pollution and Marine Life

Use the terms in the box to complete the sentences in the following paragraphs.

soil sediments	solid wastes	industrial waste
plankton	oil spills	food chains
pollution	herbicides	organisms

When harmful waste products, chemicals, and substances get into an environment, \_\_\_\_\_ occurs. Humans can pollute the ocean in many ways. Most ocean pollution is located along the coasts of the continents. Manufacturers may release \_\_\_\_\_ like chemicals and metals. People use pesticides, including \_\_\_\_\_, that enter the ocean through runoff. People can carelessly dispose of such \_\_\_\_\_ as plastic bags and plastic beverage can rings. Leaks in offshore oil wells or tanker collisions can lead to \_\_\_\_\_. Even \_\_\_\_\_ from plowed fields can pollute the ocean environment.

When an ocean becomes polluted, the effects are felt far beyond the water's limits. There is disruption of \_\_\_\_\_, and there can be severe effects on Earth's oxygen supply, much of which is produced by \_\_\_\_\_. All these forms of human pollution can cause the death of many \_\_\_\_\_ not only in the ocean but throughout Earth.

For each type of pollution of the ocean identified, number the events that harm ocean organisms in the order that they happen.

**A. Pollution by human sewage**

- \_\_\_\_\_ Bacteria use up oxygen needed by other organisms and those organisms die.
- \_\_\_\_\_ The sewage fertilizes the water.
- \_\_\_\_\_ Human sewage flows into the ocean.
- \_\_\_\_\_ Bacteria decompose the plankton when they die.
- \_\_\_\_\_ Some plankton reproduce more quickly because of the fertilized water.

**B. Pollution by soil runoff**

- \_\_\_\_\_ The filter-feeding systems of oysters and clams become clogged.
- \_\_\_\_\_ Human activities tear up the soil.
- \_\_\_\_\_ Silt accumulates in coastal areas.
- \_\_\_\_\_ Rain washes the soil into streams and eventually into the ocean.