

Chapter 19

Use with Section 1

ENRICHMENT

● Natural Resources

Carbon Dioxide Emissions

Environmental organizations and scientists around the world collect information about what is being released into Earth's atmosphere. The substances released into the atmosphere are called emissions. Carbon dioxide emissions are especially important because they contribute to the greenhouse effect. Carbon dioxide emissions can be divided into two types. Biological carbon dioxide emissions are caused by burning fossil fuels in cars, homes, and factories. Industrial emissions are caused by burning fossil fuels in cars and factories.

The graph in FIGURE 1 shows the amount, in billions of metric tons of carbon, of the biological and industrial carbon dioxide emissions for several years. The graph in FIGURE 2 shows the percentage of world industrial carbon dioxide emissions in 1996 from geographic regions.

Using information from the graphs, answer the questions below.

FIGURE 1

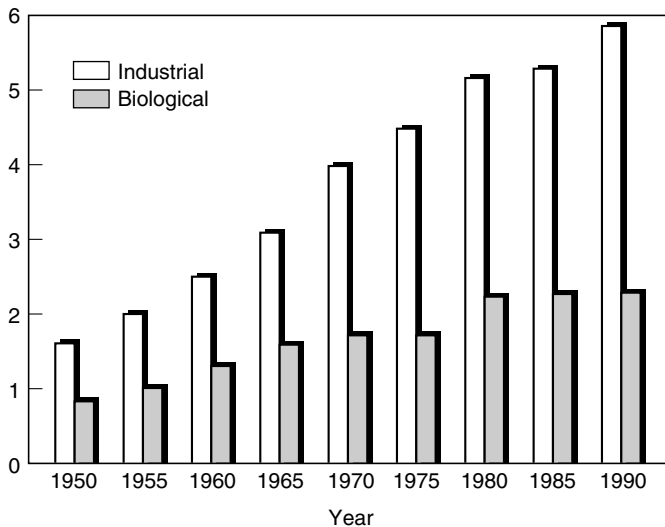
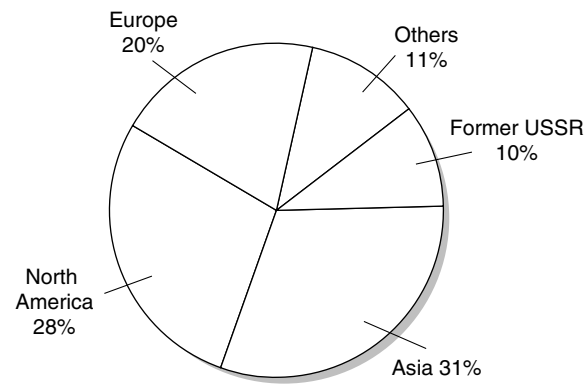


FIGURE 2



Worldwide carbon dioxide emissions from fossil fuel burning in 1996

- From the years recorded, in which year were the total carbon dioxide emissions the least?

The most? _____

- How many metric tons of industrial carbon dioxide emissions were released in 1950? How many in 1990? _____

- What happened to industrial carbon dioxide emissions between 1950 and 1990?

- Rank in decreasing order the three regions that had the greatest percentages of industrial carbon dioxide emissions in 1996. _____