

Chapter 20

Text Pages 562–567

STUDY GUIDE

● Acid Rain

Use the words in the boxes to fill in the blanks.

acidic
basic
cars

factories
nitrogen gases
Midwest

soil
wind
sulfur

The amount of acid rain in an area depends on the number of _____ and _____ in the area. This is because they are the sources of _____ and _____ that become acid rain.

Does acid rain fall where the pollution starts? It depends on the _____, which sometimes carries the pollution away.

When acid rain does fall, the damage it does depends partly on the kind of _____ in the area. Some soils are already _____, and plants that grow in them can't survive when more acid is added. Other soils are _____, and the damage is less when acid rain falls on these. As a rule, soils in the _____ are basic and soils in the northeastern states are acidic.

sulfur
car exhaust
cost
nitric acid

coal-burning
public transportation
scrubber

jobs
car pooling
coal

Acid rain is created when moisture in the air combines with nitrogen oxide to form _____. Do you know what the main source of nitrogen oxide is? It comes from _____. Two ways people can help to reduce nitric acid are by _____ and using _____.

Another source of acid rain comes from _____ power plants that release _____ into the air. Power plants can help this situation in two ways. They can wash the _____, and they can run the smoke through a _____.

Why don't people insist that power plants make their exhaust cleaner? Because the _____ of electricity would increase and because many people could lose their _____.