

COMPLETE THE GRAPH

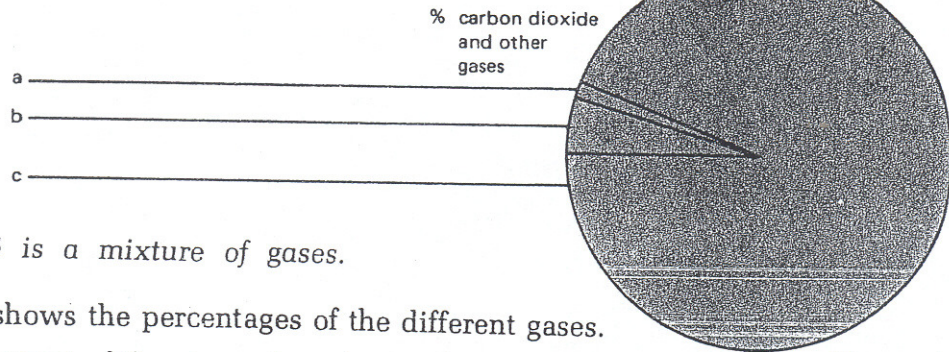


Figure A

The atmosphere is a mixture of gases.

This pie graph shows the percentages of the different gases.

- About 78 percent of the atmosphere is nitrogen.

Write "NITROGEN-78%" on the proper line of the graph.

- About 21 percent of the atmosphere is oxygen.

Write "OXYGEN-21%" on the proper line of the graph.

- Figure this one out.

If the atmosphere has 78 percent nitrogen and 21 percent oxygen . . .

then

what percent is left for carbon dioxide and the other gases? _____

Write this number on the proper line of the graph.

WHAT DOES THE PICTURE SHOW?

Look at Figure B. Then fill in the blanks.

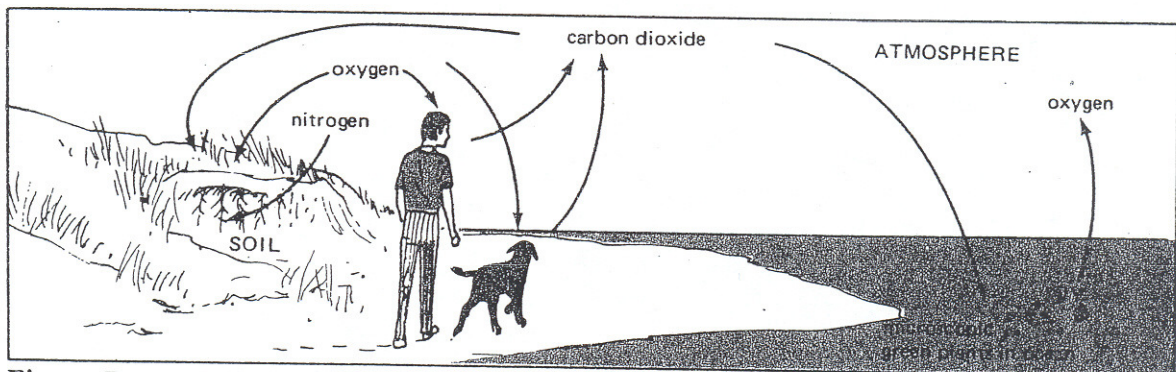


Figure B

- All living things need _____.
oxygen, carbon dioxide
- Green plants also need the gas _____.
carbon dioxide, nitrogen
- Plants get the carbon dioxide they need from _____.
the soil, animals
- Animals get the oxygen they need from _____.
the soil, plants
- Nitrogen from the air becomes an important part of the _____.
soil, ocean

WHERE DOES NATURAL DUST COME FROM?

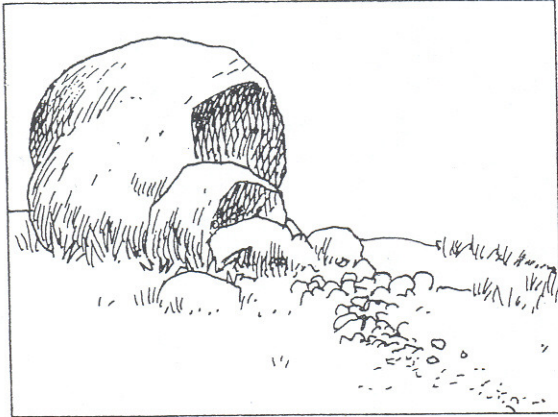


Figure C

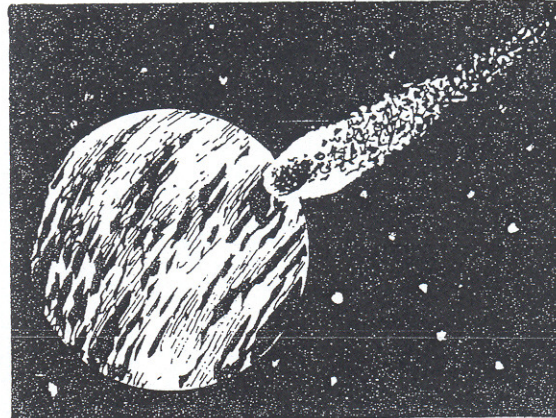


Figure D

Natural dust is formed in two ways:

Dust comes from broken-up rocks.

Rocks break into smaller pieces. Finally, they become the size of dust (Figure C).

Dust also comes from space.

Some dust comes from meteors that burn up in the atmosphere. Much more dust comes from deep outer space (Figure D).

Space dust adds about two million metric tons a year to the earth's weight. That's about 4½ billion pounds!

COMPLETING SENTENCES Complete the sentences with the choices below.

air pollution
78%
pollen
water vapor
factories

nitrogen
atmosphere
automobiles
dust
21%

home chimneys
oxygen
ash
mixture of gases

1. The ocean of air that surrounds the earth is called the _____.
2. The atmosphere is made up of a _____.
3. Water in gas form is called _____.
4. Examples of tiny solid pieces in the atmosphere are _____, _____, and _____.
5. Most of the atmosphere is made up of the gas _____.

6. Nitrogen makes up about _____ of the atmosphere.
7. The gas needed by all living things is _____.
8. Oxygen makes up about _____ of the atmosphere.
9. Unwanted gases and solids in the atmosphere cause _____.
10. Three causes of pollution are _____, _____, and _____.

MATCHING Match the two lists. Write the correct letter on the line next to each number.

-
- | | |
|--|--|
| 1. _____ atmosphere | a) needed by all living things |
| 2. _____ water vapor | b) tiny solids in the atmosphere |
| 3. _____ oxygen | c) mixture of gases that surrounds the earth |
| 4. _____ dust, pollen, and smoke particles | d) unwanted dust and gases |
| 5. _____ pollution | e) water in the gas form |

TRUE OR FALSE Write T on the line next to the number if the sentence is true. Write F if the sentence is false.

-
1. _____ Every ocean can be seen.
 2. _____ Every ocean is wet.
 3. _____ You are sitting in an ocean.
 4. _____ The atmosphere is an ocean of gases.
 5. _____ Most of the atmosphere is oxygen.
 6. _____ Oxygen makes up about 21 percent of the atmosphere.
 7. _____ Only animals need oxygen.
 8. _____ Water vapor is a gas.
 9. _____ Some dust is a natural part of the atmosphere.
 10. _____ Pollution is a natural part of the atmosphere.

WHERE DOES AIR POLLUTION COME FROM?

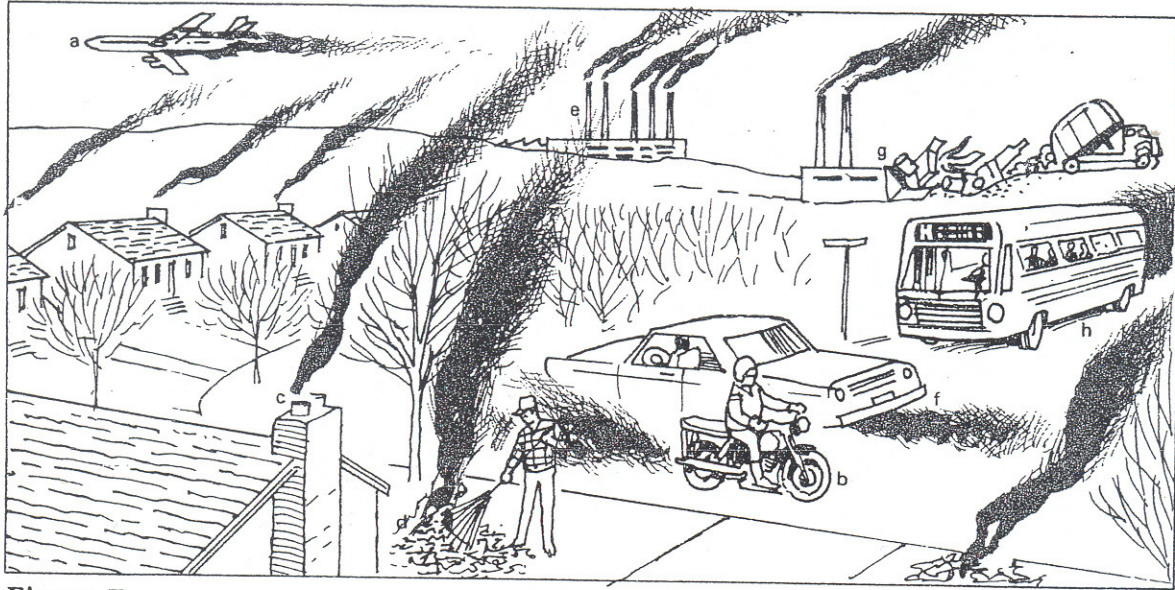


Figure E

Figure E shows some of the ways our air becomes polluted. How many of them can you find? Match the letters from the picture with the sources of pollution listed below.

- | | |
|------------------------|--------------------------|
| 1. home chimneys _____ | 5. factories _____ |
| 2. automobiles _____ | 6. airplanes _____ |
| 3. buses _____ | 7. burning garbage _____ |
| 4. motorcycles _____ | 8. burning leaves _____ |

CITY, SUBURBS, OR COUNTRY?

Some parts of our nation are *cities*. Some parts are *suburbs*. Still other parts are *country areas*.

- Where would you expect to find the most air pollution? _____
Why? _____
- Where would you expect to find the least air pollution? _____
Why? _____
- How does air pollution spread from one place to another? _____
