

UNIT 2: WHAT MIXTURES ARE IN OUR ENVIRONMENT?

Lesson 2: How can we care for our atmosphere?

A. Write the words to complete the sentences (page 94)

human (x3) Forest fire	natural (x3) Industrial fumes	Volcanic eruption Pesticides	Car fumes Dust storms
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_____ are a _____ source of pollution.



Agricultural _____ are a _____ source of pollution.



_____ is a _____ source of pollution.



_____ are a _____ source of pollution.



_____ are a _____ source of pollution.



_____ are a _____ source of pollution.

B. Read and choose the correct option (page 95)

1. The stratosphere is the layer closest to the ground.
true false
2. The majority of the troposphere is made of nitrogen (N_2).
true false
3. The ozone (O_3) in the stratosphere protects the Earth from harmful ultraviolet (UV) radiation from the sun.
true false
4. The ozone (O_3) in the stratosphere is the major component of smog.
true false

C. Write the correct option (page 96)

1. One of the primary sources of air pollution is burning _____.
fossil fuels compost
2. _____ is form mainly by the emissions from power plants and industrial factories.
Particulate matter (PM) Nitrogen dioxide (NO_2)
3. Most _____ is generated by emissions from power plants and industrial factories.
Carbon monoxide (CO) Sulfur dioxide (SO_2)
4. Motor vehicle exhaust from cars, trucks, buses and motorcycles released _____ into the air.
carbon monoxide (CO) volatile organic compounds (VOCs)
5. _____ get released into the air as gases from solids or liquids like pesticides and glues.
Nitrogen dioxide (NO_2) Volatile organic compounds (VOCs)
6. _____ is caused by dusty factories, forest fires and gases emitted by power plants or industrial facilities.
Particulate matter (PM) Volatile organic compounds (VOCs)

D. Read and choose the corresponding picture (page 97)

1. It takes advantage of a strong and steady flow of wind to generate electricity.



2. It converts sunlight into electricity.



3. It comes from energy stored in plants and seeds, wood and wood by-products, and organic components waste.



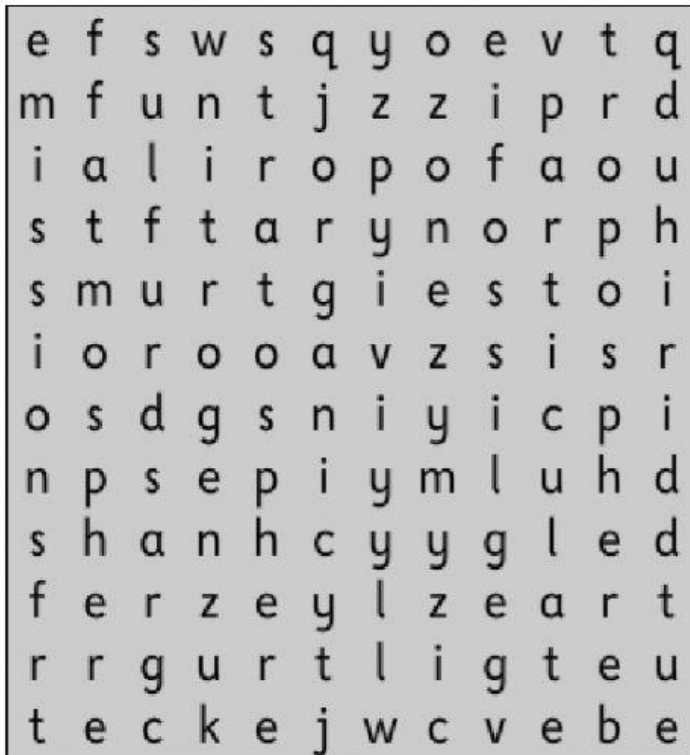
4. It uses steam or hot water found inside the Earth to produce electricity.



E. Read and order the sentences (page 98)

- ___ Carpool to go work or school.
- ___ Only use the minimum necessary amount of household products.
- ___ Walk or use bicycles for short distances.
- ___ We need to lower the concentration of VOCs and oxides of nitrogen in the air.
- ___ Turn off and unplug all electrical appliances and when they're not being used.
- ___ Energy-saving bulbs can decrease the amount of electrical power use at home.
- ___ Reducing, reusing and recycling waste creates fewer contaminants.

G. Read the clues and write the words in the sentences (page 100)



1. The _____ - is the closest layer to the ground.
2. The ozone layer in the _____ protects the Earth from harmful ultraviolet radiation from the Sun.
3. The air in the troposphere may be polluted by gases and harmful particles caused by burning _____ fuels.
4. The small particle or droplets suspended in the air are called _____ matter.
5. Industrial factories and power plants have high _____ of pollutants.
6. Emissions from trucks, buses, cars and power plants produce _____ dioxide.