

Essential Question: How have environmental issues affected Latin America?

Standard:

**SS6G2 Explain the impact of
environmental issues in Latin America.**

Air Pollution in Mexico City

- Standard SS6G2a. Explain the causes and effects of air pollution in Mexico City, Mexico.

Causes of Pollution in Mexico City

- **Overcrowding**
- **Industrialization**
- **Vehicle emissions (releases)**
- **Location of Mexico City**

Overcrowding in Mexico City



Industrialization in Mexico City



Vehicle Emissions in Mexico City



Location of Mexico City

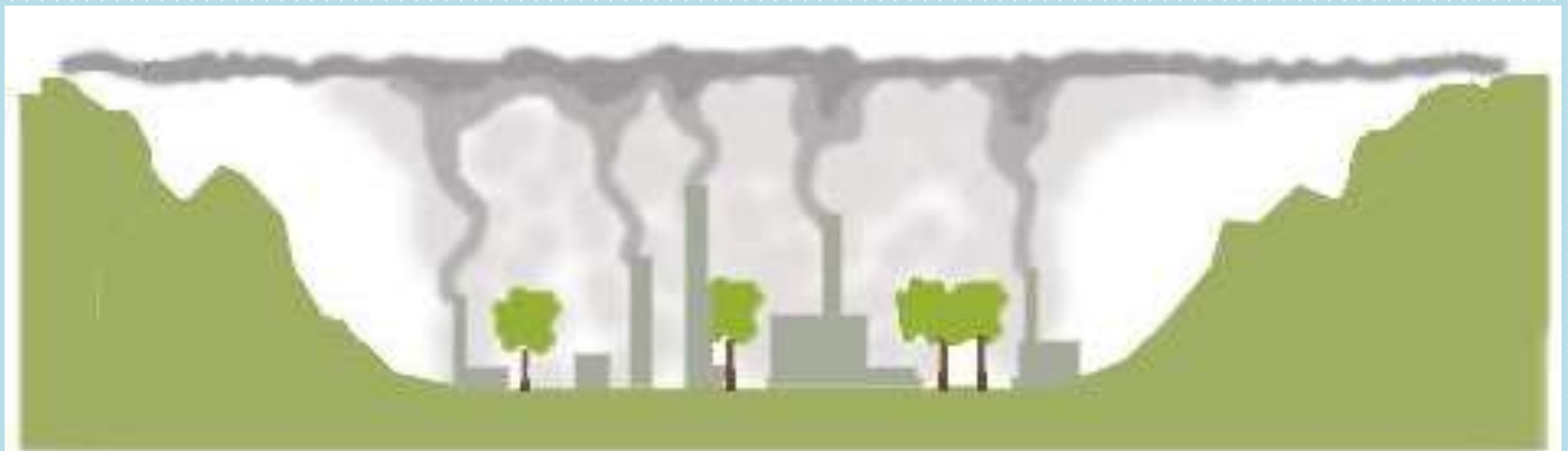


Based on what you've learned about Mexico's physical features, how does its location matter?

Location of Mexico City



Mexico City lies at the base of two mountain ranges which basically traps the air pollution



VALLEY OF MEXICO

An aerial photograph of Mexico City, Mexico, showing a dense urban landscape with numerous buildings and a prominent mountain range in the background. The sky is hazy, suggesting air pollution. The text "Air Pollution in Mexico City" is overlaid in the center of the image.

Air Pollution in Mexico City

Air Pollution in Mexico City



Air Pollution in Mexico City



Effects of Pollution in Mexico City

- **Damage to vegetation (plants)**
- **Harm to the atmosphere**
- **Harm to human beings**
- **Pollution causes Acid Rain**

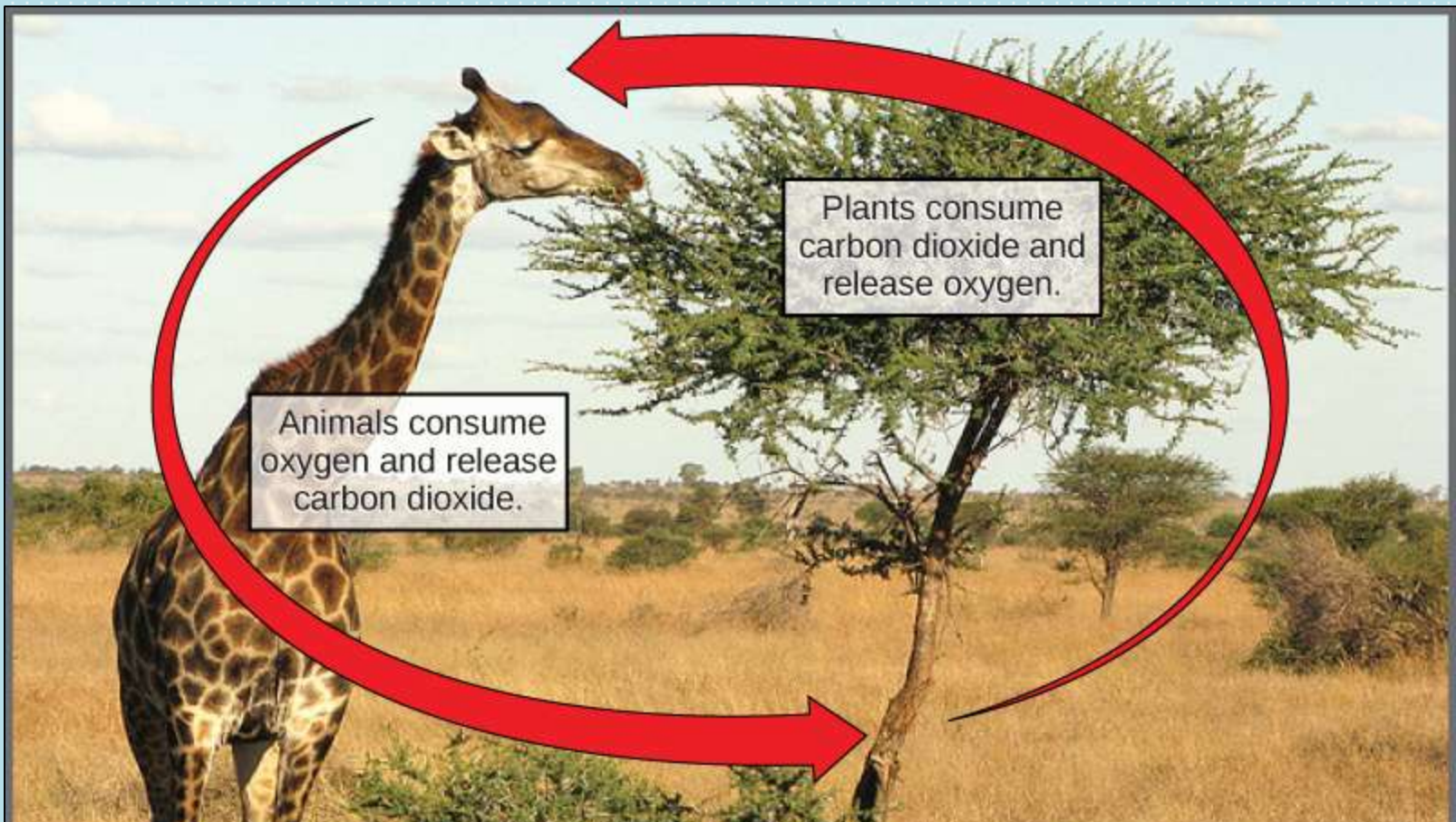
Video on Air Pollution in Mexico [select one]

[Mexico City Air Pollution](#) [6:10]

Mexico City: Eco Solutions
<https://www.youtube.com/watch?v=0H-gMlzh070> [5:16]

Importance of Rainforests

- Rainforests are known as the “lungs of the earth”.
Why?
- Rainforests help convert carbon dioxide into oxygen



Animals consume oxygen and release carbon dioxide.

Plants consume carbon dioxide and release oxygen.

Tropical Rainforests have very dense (thick) vegetation; therefore, they consume a lot of carbon dioxide and give off a lot of oxygen.

Importance of Rainforests

- Rainforests are the home to the largest variety of plant and animal species on the planet



Diversity of Living Things in the Rainforest

Causes of the Destruction of the Rainforest in Brazil

- Road building
- Farmers cutting down forests to plant crops
- Cattle ranching
- Logging
- Mining
- New settlements

Destruction of the Rainforest in Brazil

[Time Lapse Devastating Deforestation](#)

An aerial photograph showing a lush green rainforest on the left and a large, cleared, brownish area on the right, illustrating the destruction of the rainforest in Brazil. The background shows a hazy mountain range under a blue sky.

Destruction of Rainforest in Brazil

- Standard SS6G2b. Explain the environmental issue of the destruction of the rain forest in Brazil.

Destruction of Rainforest in Brazil



Destruction of Rainforest in Brazil



Destruction of Rainforest in Brazil



Effects of the Destruction of the Rainforest in Brazil

- **Causes a loss of habitat for species**
- **Can cause climate change (more carbon dioxide in the atmosphere)**
- **Causes less clean air for humans**

Effects of the Destruction of the Rainforest in Brazil

- **Causes more soil erosion (trees help keep soil from eroding)**
- **Causes soil depletion (rainforests have rich soil but when cut down the richness of the soil is reduced)**

Video on
Deforestation in Brazil