

HUMAN IMPACT ON EARTH



WHY IS LAND IMPORTANT?

- For building homes and roads
- Places for animals
- Minerals for construction
- Fuel

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WHAT ARE THE DIFFERENT TYPES OF LAND USE?

RECREATION

- Natural areas
- Forests, grasslands deserts
- Biking, hiking, birdwatching

TRANSPORT

- Roads
- Railways

AGRICULTURAL

- **Farm land**

RESIDENTIAL

- **Places where people live**

Rural Areas:
Open land; low
density of
people

Urban Areas: Dense
human populations

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URBANIZATION

VIDEO

COMMERCIAL AND INDUSTRIAL

- Places of business

WHY IS SOIL IMPORTANT?

**HABITAT
FOR
ORGANISMS**

**STORES
WATER AND
NUTRIENTS**

DUST BOWL VIDEO

HOW CAN HUMAN ACTIVITIES AFFECT LAND AND SOIL?

- Land degradation is a process by which human activity and natural processes damage land to a point that it can no longer support the local ecosystem.

WHAT IS URBAN SPRAWL?

- **Decreases farmland**
- **Decreases natural areas**
- **Water drains off instead of filling the aquifer**

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URBAN SPAWL

TAMPA BAY

The background is a blue gradient with decorative white circuit-like lines in the corners. The text is centered and underlined.


URBAN SPAWL

LAS VEGAS

EROSION

- **Process by which wind, water, or gravity transports soil and sediment from one place to another.**
- **Speeds up LAND DEGRADATION**





NUTRIENT DEPLETION AND LAND POLLUTION

- **Nutrients get used up**
 - **Pollution from industrial activities**
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DESERTIFICATION

- Over grazing removes plants and top soil.

Desertification

Definition:


"Dry and non productive land
↓ process
convert into desert"

Also known as **LAND DEGRADATION**



DEFORESTATION

- **Removal of trees and other vegetation from an area**
- **Logging is a type of deforestation**
- **Surface mining**

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EFFECTS OF DEFORESTATION VIDEO