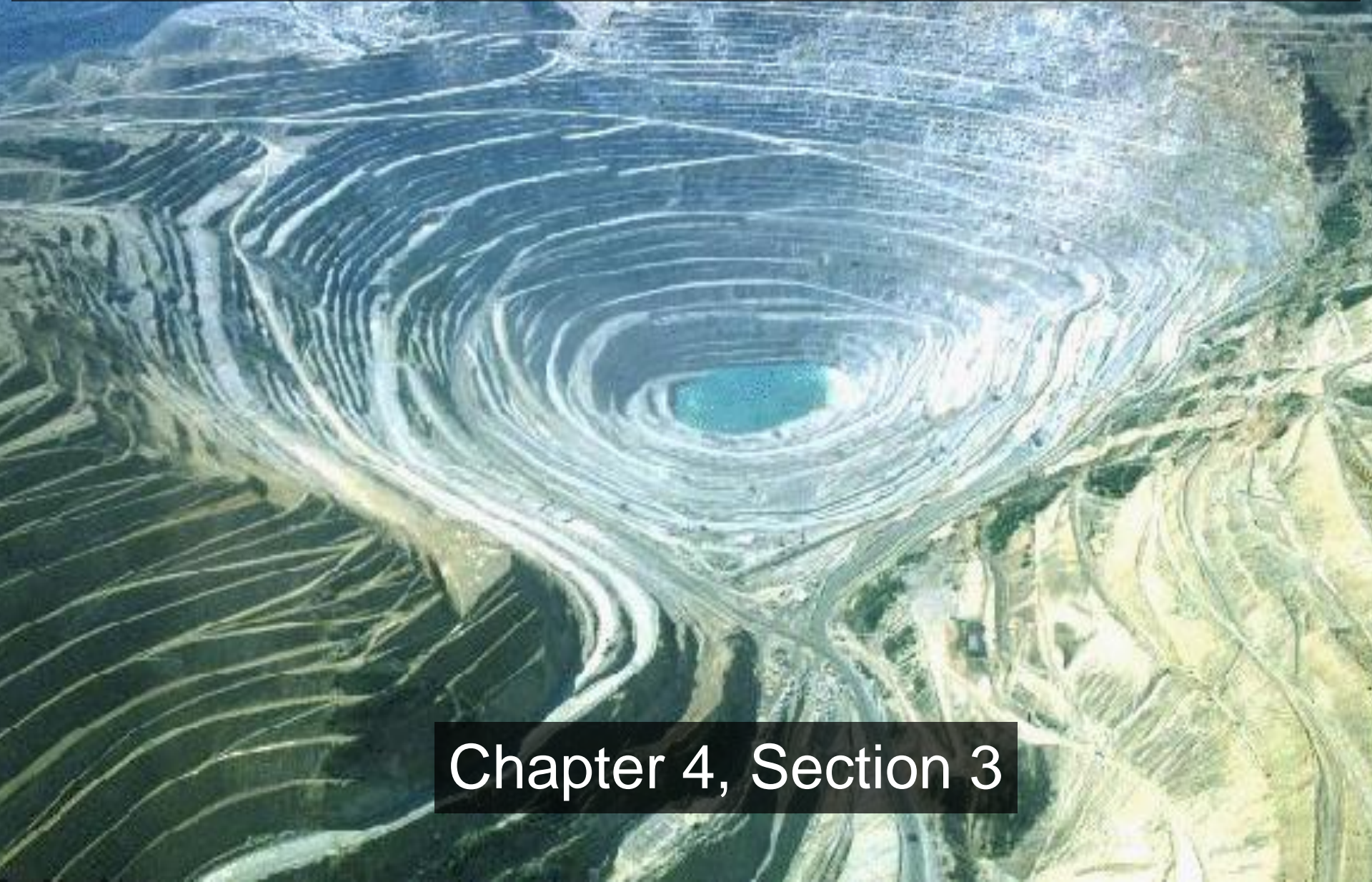


Warm-up

1. Radioactive, heavy Metals are fuel for the process of Nuclear Fission.
2. What are 2 bad things about wind energy?
 1. NOISY!
 2. Land is Expensive!
3. Geothermal energy is clean, but it Runs Out as it cools off.

“Water, Air, & Land Resources”



Chapter 4, Section 3

“Water Planet”



- Earth = 71% water
- Mostly salt water
- We need fresh water to live

Q: What do we use water for?

Water Pollution



1. Point Source Pollution:

- Specific point of origin

2. Nonpoint Source Pollution:

- Does not have specific point of origin

3. Runoff:

- Flows over the land surface instead of seeping into ground

Pollutants can...

- damage the body's major organs and systems
- cause birth defects
- lead to infectious diseases
- cause cancer
- Fish concentrate the poisons in their flesh, making them dangerous to eat

Atmosphere

An aerial photograph of a vast mountain range, likely the Andes, with a city visible in the distance under a clear blue sky. The mountains are covered in green vegetation, and the city is a dense cluster of buildings. The sky is a deep blue, and the horizon is visible in the distance.

- **Blanket of air**
 - nitrogen, oxygen, water vapor, and other gases
- Chemical composition of atmosphere maintains life on Earth
- Pollution changes chemical composition of atmosphere

Greenhouse Gases

A large, multi-bay greenhouse with a glass roof and metal frame, situated outdoors on a grassy area. The greenhouse is filled with various plants and flowers. The background shows trees and a clear sky.

- CO₂, methane, and water vapor—
– maintain a warm temperatures
- **Global Warming** –
 - ↑ Earth's avg. temp°
 - ↑ CO₂ levels

Land Resources

- **Soil, forests, mineral & energy resources**

Damage to Land Resources

- **Mining**
 - 500,000 mines in U.S.
- **Over-irrigation**
 - Salty soil
- **Clear cutting trees**
 - ↑ Erosion