





# LANDFORMS and LAND USE

Tectonic and gradational forces <u>combine</u> to create unique surface features: topography.

Natural processes (geologic and atmospheric) are constantly at work altering them. Topographic regions are the result.

**People** live within these regions and need to be aware of these on-going processes.





## LANDFORMS and LAND USE

Why do we need to measure, monitor, map and analyze topographic regions?

✓1. Selective land use

- ✓2. Avoidance of harmful natural processes
- ✓3. Planning future activities
- ✓4. Insurance coverage
- √5. Access to and/or removal of resources WHY?

Because of the possible effect on people.

#### LANDFORMS and LAND USE

When doing a landscape analysis, we look at the following <u>physical</u> factors:

- 1. Elevation (height above sea level)
- 2. Relief (vertical difference in elevation)
- 3. Slope angle (horizontal difference in elevation)
- 4. Valley shape (work of running water and gravity; V-shape or U-shape)
- 5. Climate zones (climate conditions and vegetation biomes change with elevation)





### LANDFORMS and LAND USE

When doing a landscape analysis, we look at the following <u>human</u> factors:

- ✓ 1. Unifier or barrier (people interacting)
- 2. Assimilation or distinction (cultural development)
- ✓ 3. Transportation and communication (ease/cost)
- ✓ 4. Population density (concentrations of people)
- ✓ 5. Economic utilization (farming, grazing, industry, mining, recreation, etc.)
- ✓ 6. Hazards (natural and man-made)



















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BIOSPHERE, chapter 4

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EARTH RESOURCES, chapter 5

21