

1.) Regional Descriptions  
Colors & Symbols

Process – vs landforms

2.) Climate Morphogenesis - temperature, precipitation, winds, humidity  
Hill slopes, Fluvial, Karst, Arid, Glacial.

3.) Tectonic geomorphology  
Plate contact structures

4.) Quantitative geomorphology  
Drainage basins  
Catchments areas  
Flood Plains

Structure Process Time

Adverbs - How, what when where

Spatial Dimension & Scale

Rough geometric shapes = fractals

Vs.

Geometric shapes classical Euclidean geometry

Earth rotation – spheroid

Based on - density

Time = when = episodic – vs. long term

Spontaneous - slow

Geoid vs. ellipsoid & best fit of base level

Continents & Oceans (land elevation vs. ocean bottom)

71 vs. 29%

X depth = +/- 12,000ft. = 2mi

10 major plates

Role of ocean crust & submarine mountains.

Plates - convergent - divergent & transform

Physiographic provinces

Land shields, seas, platforms, orogenic belts

Ocean ridges plains, island arcs, and back arc basins

US Provinces - 25-

Tectonic Orogeny old - young – east – west - jagged - smoothed

Erosion vs. Deposition - Agrade vs degrade