Fluvial Geomorphology

Study of stream response to natural watershed characteristics and human land use
Equilibrium

Continuity in sediment transport from headwaters to mouth
Sediment transport at Point A equals transport at Point B despite change in slope.
Change in roughness offsets gradient change

A. Wide, shallow channel
   - Cross-sectional area = 10 square units
   - Perimeter = 12 units

B. Semicircular channel
   - Cross-sectional area = 10 square units
   - Perimeter = 7.9 units