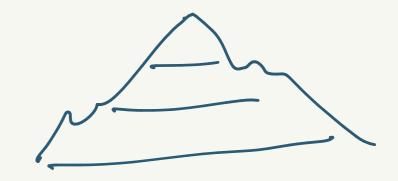
- Montains (1/4 of Earth's land surface) span biomes



- recological communities occur in elevational bands
- · Elevationel gradient mirrors latitudiral gradient
- · Rocky Mtns: geasslands/Pine Savannac / Alpine transition

7299 Bt

- Treeline similar to boreal Borest/tundra fwuzi p,on

- Freshwater bibligion zones

- Rivers & Lakes

- Communities in strams and rivers vary w stream site and location w/in the stream - All of the Earth's land surface is a river basin Lagest Rivers ~ 6 orders - Swimming organisms (Bish) tend to live in high-Blows - Bottom (Benthic Zone) ~ invertebrate < - Sussmute # below /adjacent to smean is beaut to insects/copepals/rotifiers (= Apportance zona) raborneic sous

Marine Biological Zones 7100 08 Earth's surface Pelagic Zone in 111. 3 200 meters Photic Zone Morrie Marine communitées are a challenge to catégorize b/c species tend to be mobile Nearshore: tidal forces to have a large impact - Intertidul communities most be marine à ferrestrial - Femp. - Salinity - Desiccation (drying)

Shallow Ocean: Divices and productive

- high light input

- Physical structure ~ form habitat

- High diversity of 10 produces

- High diversity of 20 donswers

Open ocean (Pelagic) & Deep Benthic

Whit penetration is primary

limit for photosportletic organism

- Falling debris, migrating species

Chapter 4: Temperature à Worter - Species distributions reglect the physiological limitations - The physical environment affects an organisms Precipability to grow & reproduce - Changes in temperature control population questr rates via 1) imposing constraints on function - rate of rxns - true available to dorne out practions 2) Morbelitz (extreme shifts)

