

WG 3202- Unit 1 Test Study Guide

General Topography

- Lithosphere: Earth's crust...made up of tectonic plates.
- Definition of topography.
- Elevation, relief, hills, mountains, plains, plateaus...be able to define
- Location of major mountain chains...remember the general pattern

Mountain Building

- Compression and tensional forces...general definitions
- Mountains by folding...what force causes this?
- Anticline and syncline
- Types of faults: Normal faults, rift valleys, fault block mountains, reverse faults, overthrust faults
 - Be able to identify each of these in diagram form, know what forces cause them

Volcanoes

- General definition
- Why do they erupt?
- 3 types of volcanoes
 - Know how to identify them visually
 - Know the characteristics
- Where do many volcanoes occur? (plate boundaries, Pacific Ring of Fire)

Weathering

- General definition
- What is the process of erosion?
- Denudation...define
- Physical and chemical weathering...definitions
- Types of physical and chemical weathering
 - Be able to identify the type by how each works and if given a situation such as the ones from the worksheet
- Be able to identify some of the environmental conditions that affect physical and chemical weathering.

River Life Cycle

- Be able to define drainage basin, tributary
- Be able to:
 - Recognize the 3 stages of the river life cycle if given a diagram.

- Tell the stage from a description of characteristics
- Tell the difference between vertical and lateral erosion

River Deltas

- Describe how deltas generally form.
- Be able to tell one type of delta from another in a diagram
- Be able to identify a delta by its characteristics

Glacier Erosion

- Continental glaciers vs. alpine glaciers...be able to tell them apart
- Continental glaciers...erosional features- outwash plain, terminal moraine, erratic, drumlin, esker
- Alpine glaciers...erosional features- cirque, arête, hanging valley, lateral moraine, fjord
 - Be able to recognize them based on diagrams and/or descriptions
 - Be able to determine the direction a glacier moved based on the location of these landforms

Wave Erosion

- Know what causes wave erosion...hydraulic pressure, corrosion, abrasion
- Know what headlands are
- Long-shore drift, wave refraction
- Know what spits, beaches, bars are (and how to identify them)
- Know the process for forming sea caves, sea arches and sea stacks.
 - Be able to recognize stages from diagrams and descriptions.
 - Be able to describe the development.