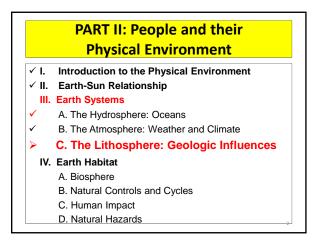
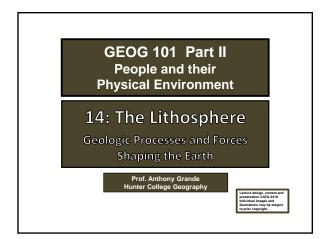
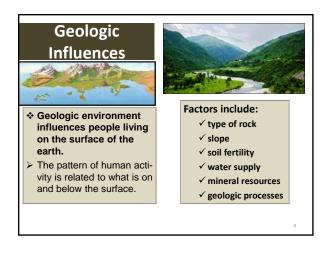
REMINDERS	Atlas Extra Credit for Exam II: Available on the Course Home Page Blue Scantron sheet is due Apr. 11 EXAM II – New Date Is
 Two required essays are due by March 27, 2018. A third may be used for extra credit in place of a "Think Geographically" essay. ESSAY TOPICS (choose any two): Contributions of a noted geog- rapher, earth scientist or explorer (chapter 1) 	Tuesday, April 17 ◆ Extra Credit: "Think Geographically" Essays from any five of the textbook's 12 chapters. – Last day to submit is May 15 built is best to do them as you finish reading a chapter.
 Relationship of climate change to a listed current event topic (ch. 2) Discuss a natural process that is deemed a natural hazard (ch. 3) 	 Any essay may be submitted before the deadline. Don't wait for the night before to write them!!







Definitions

GEOLOGY: scientific study of the earth: origin, structure and processes.

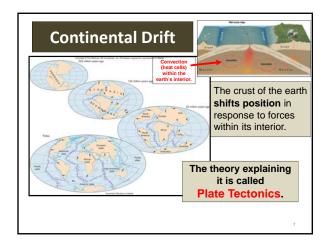
- GEOMORPHOLOGY: study of landforms: origin, characteristics, processes, evolution
- TOPOGRAPHY: study of surface features

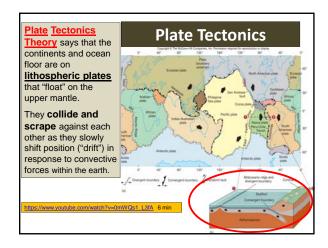
All used by geographers to evaluate location.

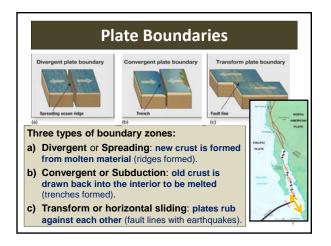
GEOLOGIC CYCLE

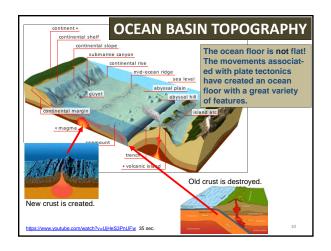
There are <u>3 parts</u> to the geologic cycle:

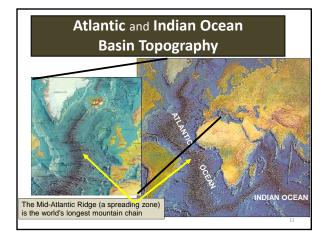
- **1. Continental Drift:** *Plate Tectonic Theory*
- 2. Rocks and Minerals: Creation of earth materials
- **3. Building and Gradational Processes**: Creation and shaping of surface landform features

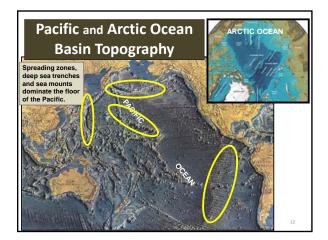


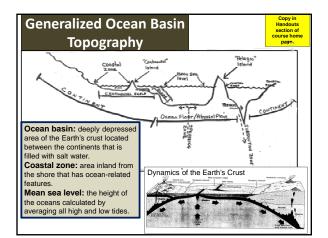


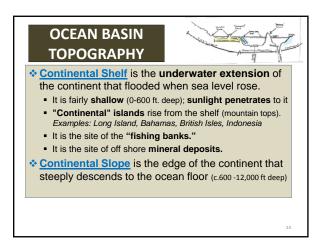


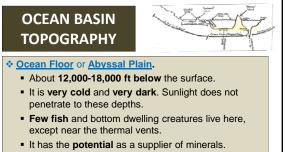




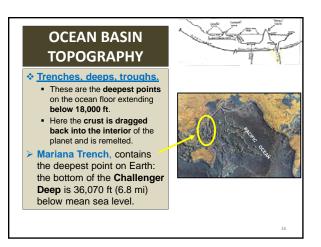


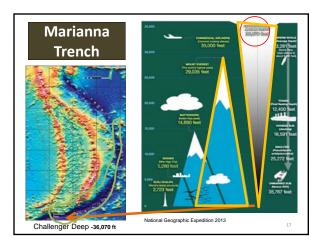


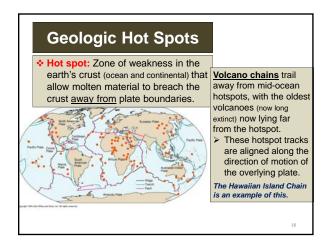


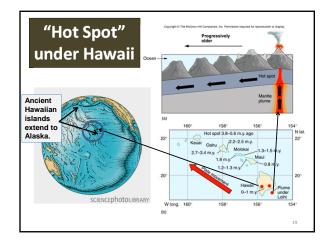


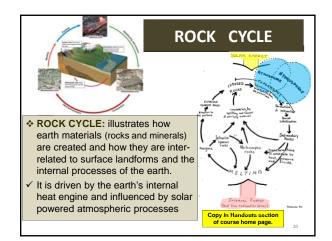
"Pelagic" islands, seamounts and ridges rise from the floor. Ex.: Bermuda, Iceland, Mid-Atlantic Ridge, Hawaii, islands of the South Pacific.

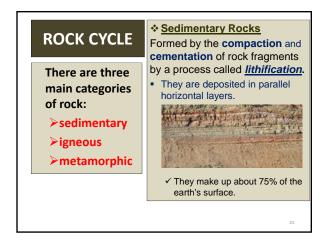


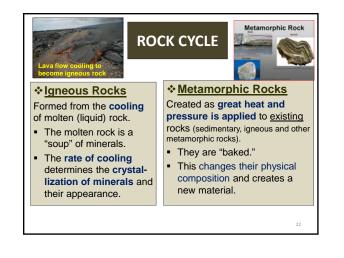


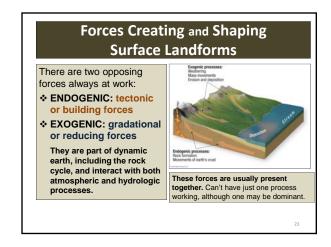










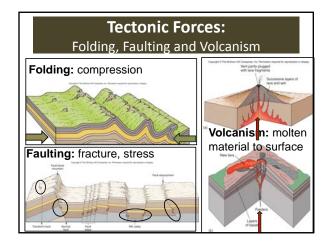


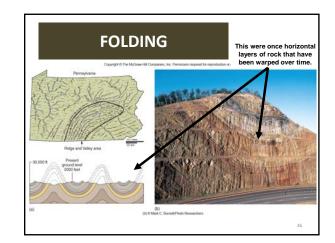
Forces Creating and Shaping Surface Landforms

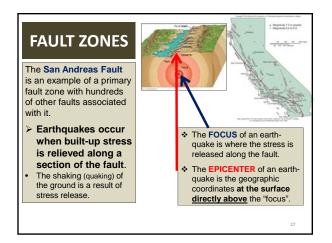
The three **TECTONIC** or building forces are:

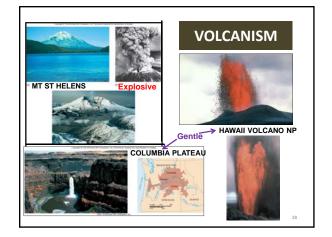
- a) FOLDING: compression, bending breaking
- b) FAULTING: movement, tension, breaking

c) VOLCANISM: melting, movement of molten material, release of pressure (eruption/explosion)









Gradational Forces

- * Gradational or reducing forces wear away the land surface.
 - There are 3 major categories:
 - 1. Weathering: changes in place.
 - 2. Mass Wasting: loosening and movement under the <u>force of gravity</u>.
 - 3. Erosion: <u>friction, movement and deposition</u> (occurring concurrently) create new shapes.

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