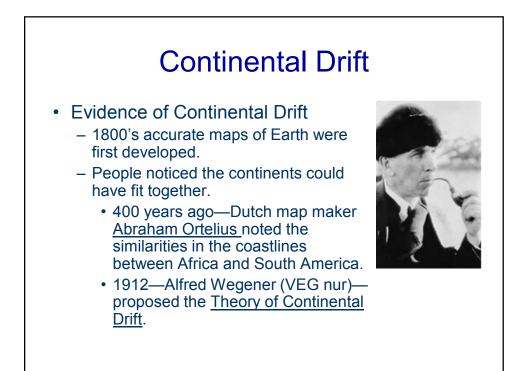
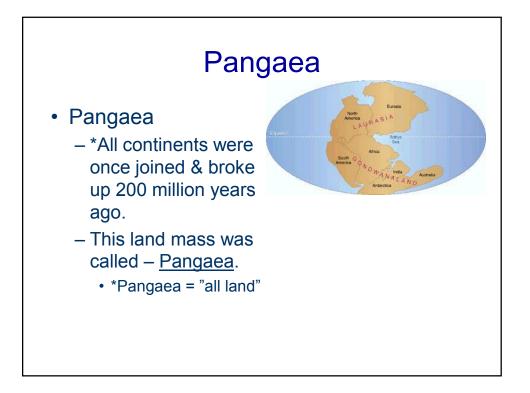
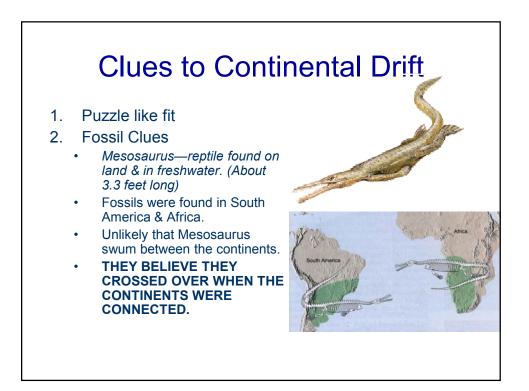
## Ch. 10—Plate Tectonics

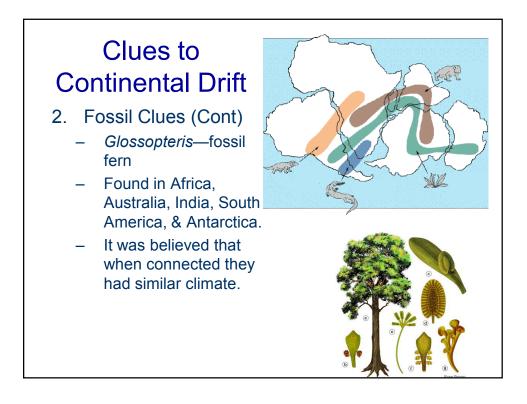
Mr. Aprill

Revised: 1/12/12 (Does not include in class videos)





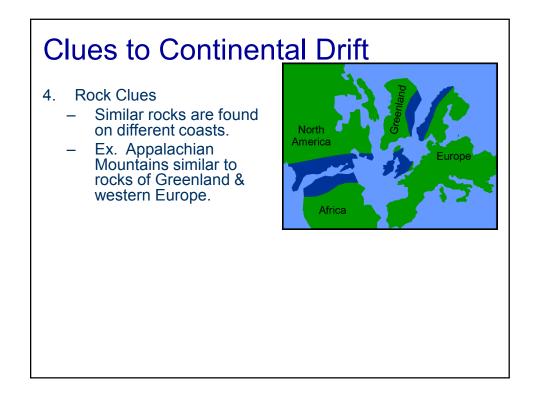


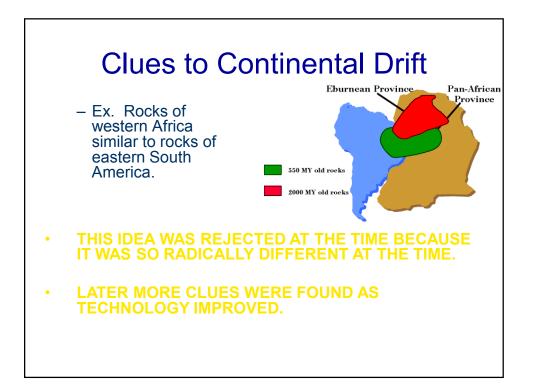


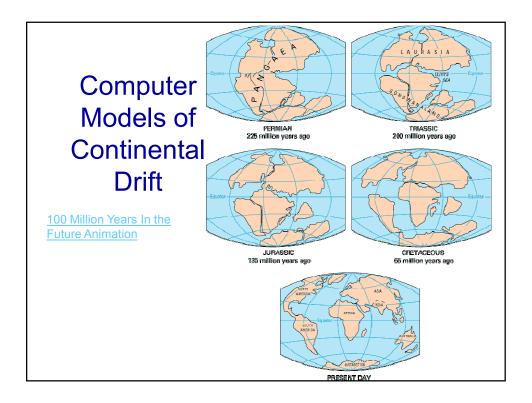
## Clues to Continental Drift

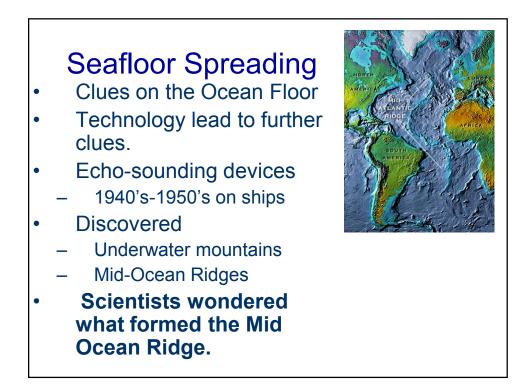
- 3. Paleoclimatic Clues
  - Fossils of warm-weathered plants have been found in arctic regions (Island of Spitsbergen).
  - Glacial deposits & surfaces scoured & polished by glaciers found around equator (South America, Africa, India, Australia)
  - Parts of these continents were covered with glaciers.
  - Ancient coral reefs found in Antarctica



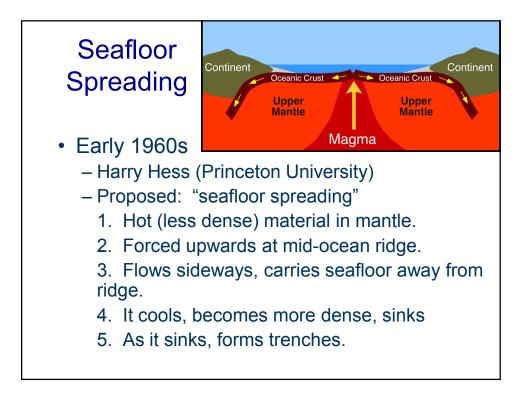














## **Magnetic Clues**

## Basalt

- Rock samples collected from seafloor.
- Contains what ore?
  Iron
- Aligns itself according to magnetic field orientation at the time.
- Rock samples show several reversals in Earth's magnetic field.
- <u>Magnetometer-</u>-Instrument, which records magnetic data.
- Found: magnetic alignment reverses back & forth, parallel to the mid-ocean ridge.

