

STUDY GUIDE

GEO 101 midterm #2, Chapters 7-11

The topics under each chapter are the sections of the chapter you should be familiar with. You should try to identify the most important or significant points in each section listed below in order to do well on the exam.

The listing of each “section” is in the advanced table of contents starting on page **vii** in your textbook!

Study Guide:

Chapter 7: Transient Atmospheric Flows and Disturbances

Fronts (p 182-185)

Hurricanes Damage and Destruction (p. 198)

Midlatitude Anticyclone Characteristics (p. 191)

Thunderstorms

Air mass classification (Table 7-1, page 181)

Chapter 8: Climatic Zones and Types

California Climate

You need to have a basic understanding of EACH Climate group (A, B, C, D, E, H)

Climographs (p. 215)

Chapter 9: The Hydrosphere

Moisture Inventory of Earth (Figure 9-1, p. 261)

Permafrost (p. 273)

World's top 3 longest rivers (Table 9-4, p. 279)

Tides – spring and neap tide definitions and most important control of Tides (p. 267-268)

Two class discussions (check your notes):

- The sea that has almost vanished from human interference
- Place on earth with highest tidal range

How Many Oceans? (p. 263-265)

Groundwater subsidence (p. 284)

Chapter 10: Cycles and Patterns in the Biosphere

The Flow of Energy (p. 291)

Food chains (p. 298)

Food pyramid (Figure 10-10, p. 298)

Photosynthesis (p. 292)

Chapter 11: Terrestrial Flora and Fauna

Vertical zonation (p. 320)

Deciduous vs. Evergreen trees (bottom left corner of page) (p. 315)

Adret and Ubac slopes (P. 321)

Riparian Vegetation (p. 321 and figure 11-14 on page 322)

Hygrophytic and xerophytic adaptations (p. 315-316)

Ecotones (p. 314 and figure 11-2 on p. 314)