

STUDY GUIDE

GEO 101 MIDTERM #1, Chapters 1-6

The topics under each chapter are the sections of the chapter you should be familiar with. The listing of each “section” is in the advanced table of contents starting on page **vii** in your textbook!

Study guide:

Chapter 1

Size and Shape of Earth

The Environmental Spheres (know what is in each sphere)

The Annual March of the Seasons

Chapter 2

Families of Map Projections (p. 35-37 only)

Map Scale

Chapter 3

Composition of the Atmosphere (only Permanent Gases and Variable Gases p. 56-57)

Temperature Patterns in the Atmosphere (p. 59 - only Troposphere)

Chapter 4

Variations in Heating by Latitude and Season (p. 89)

Land and Water Contrasts (Heating p. 92 & Cooling p. 93)

Basic Heating and Cooling Processes in the Atmosphere (Specifically: Scattering, Conduction, Convection)

Chapter 5

The Nature of Wind (know the circulation patterns on page 112)

The General Circulation of the Atmosphere

Chapter 6

Classifying Clouds (p. 156 & Figure 6-18 on p. 157 only)

Average Annual Precipitation

The Hydrologic Cycle

Orographic Lifting (p. 168)

Absolute Humidity (p. 149)