

Physical Geography Exam II Study Guide

Essay Topics

Chapter Six

- 1) Latent Heat of Vaporization
- 2) Humidity
 - a) Absolute
 - b) Relative
 - c) Specific
- 3) Evapotranspiration
- 4) Condensation and Precipitation Formation
- 5) Fog
 - a) Radiation
 - b) Advection Fog
 - c) Upslope Fog
- 6) Minor Precipitation Forms
 - a) Dew
 - b) White Frost
 - c) Rime
- 7) Cloud Formation and Cloud Types

Chapter Seven

- 1) Types of Air Masses
- 2) Types of Thunderstorms
- 3) Extreme Weather Conditions
 - a) Tornadoes
 - b) Hurricanes

Chapter Eight

- 1) Koeppen's Classification Scheme for Climate
 - a) advantages and limitations
 - b) simplified classification scheme
- 2) Climographs, and recognizing climate types
- 3) Thornthwaite Classification System
- 4) Paleoclimatology and Global Climate Change
- 5) Milankovitch Cycles

Chapters Nine and Ten

- 1) Characteristics of A Climates
- 2) Characteristics of B Climates
- 3) Characteristics of C Climates
- 4) Characteristics of D Climates
- 5) Other Climates

Chapter Eleven

- 1) Four components of Ecosystems
- 2) The Laws of Thermodynamics as applied to ecosystems
- 3) Productivity
- 4) Ecological Niche
- 5) Succession and Climax Communities
- 6) Biomes
 - a) Allen's and Bergmann's Rules
 - b) Factors that influence biomes
- 7) Classification of Terrestrial Ecosystems
 - a) Forest Biomes
 - b) Grassland Biomes
 - c) Desert Biomes
 - d) Tundra Biomes

Chapter 12

- 1) Principal Soil Components
- 2) Characteristics of Soil
- 3) Soil-Forming Regimes
- 4) Soil Classification

I will ask you eight essay questions from this list of topics. You will be only required to answer five of those questions. There will also be a bonus question. The essay section of the test is worth 50 points. The multiple choice part of the exam is also worth 50 points.