

Biol. 221
Spring 2011
Material covered on Exam II

Topics:

Global climate change
Biomes
The global hydrologic, carbon, nitrogen & phosphorus cycles
Energy flow through local ecosystems (if covered)
Biological magnification (if covered)

Online lecture materials:

Starting with Lecture 7-10 slide entitled "The greenhouse effect is real and real important"

Other online materials (Miscellaneous page of web site):

Biome Summary Table
 Know rank order of biomes for all values (excluding savanna)
 Do not need to know the actual values
CAM Photosynthesis Information

Articles:

Articles 6-8 & associated study questions

Textbook & Video Overviews:

Chapter 29
 Sections 1, 3-4, & 6-12
 Study Questions 1-3, & 5-12
Chapter 25
 Sections 1-3
 Study Questions 1-3
Chapter 24
 Sections 9-13
 Study Questions 7-10
Chapter 23
 Sections 1, 2, 4, 5, & 7-9
 Study Questions 1-4, 8, & 11-18
Chapter 22
 Sections 1, 4-9, & Fig. 22.13
 Study Questions 1-4 & 6-9
Chapter 20
 Sections 1-4, 7, 9, 12
 Study Questions 2, 3, 5, & 11
Chapter 15
 Section 11
Chapter 4
 Sections 3-5, 7, & 10
 Study Questions 4, 5, 7, 10, & 11
Chapter 3
 Sections 1-4 & Fig. 3.17
 Study Questions 1, 3-5, & 9