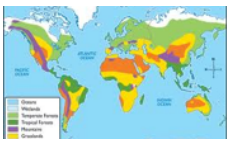
THIS WEEK IN BI 101

TUESDAY LECTURE	THURSDAY LECTURE	RECITATION	LABORATORY	ON-LINE READINGS
				
Biomes and Mountains *Sunlight and topography impact Earth's biomes.*	**Polar and Tundra** *Producers and consumers in some of the most extreme habitats.*	**Biomes and Soil Organisms** *Rainshadows and other key features of Oregon.*	**Plant Anatomy** *Bring your pressed leaf and tour plant leaves, stems, and roots.*	**Tundra; Soil Biology** *Arctic and alpine tundra; the complexity of soil food webs.*

OSU, Dec. 6, 2013

Work Ahead for Tuesday's Lecture

Read "Tundra" and answer the following questions.

List seven characteristics of the tundra.

What kind of producers are found in the arctic tundra?

What is **permafrost**?

Where is alpine tundra located?

Check your studying from last week. **List four characteristics of beavers.**

Work Ahead for On-Line Readings

Read "Soil Biology" and answer the following questions.

What is **organic matter** and how does it relate to the soil food web?

List five locations where organisms can be found in the soil.

When are soil organisms active?

Work Ahead for Recitation

From Biomes and Soil Organisms in the activity manual, try to complete the Temperature and Precipitation *Thought Questions* (p. 78). Check your answers in recitation this week.

List the three *Phyla* of *Fungi* we are studying this week (p. 81-82).

The recitation portfolio assignment can be done at any time. Read and complete the "*OSU Student Research Experiences*" assignment, p. 83 to get ahead on Portfolio #2.

Work Ahead for Laboratory

Happy Halloween!

Friday, Oct. 31

*** Bring a pressed leaf to lab this week.**

From Plant Anatomy in the activity manual, answer the following questions.

What do the following cells in plant stems do? (p. 89)

Phloem cells:

Xylem cells:

What are six vegetable plants that have been bred from ***Brassica oleraceae***?

For the lab this week, you are preparing an educational card that will teach a biology concept about a pressed leaf. Read the assignment, p. 96. Find and press a leaf (instructions are on p. 69). You will learn more about leaves in the week five lab. For now, is there any particular concept you think your leaf demonstrates well?

Portfolio #2 is due next Monday, Nov. 3 Portfolios can be turned in early, Thursday or Friday this week, 133 Weniger

Latitude and Biomes

Equator: Warm temperatures drive continual evaporation of oceanic waters and precipitation over land, supporting tropical rain forests.

30 Degrees North and South Latitudes: Drier air and warm temperatures create desert conditions.

60 Degrees North and South Latitudes: Moist air and cooler temperatures support forests in the northern hemisphere.