

# THIS WEEK IN BI 101

**TUESDAY LECTURE**



**Deserts and Land Use**

*Desert climate, organisms, and various land issues.*

**THURSDAY LECTURE**



**Microhabitats**

*Ecotones, caves, and the search for life in extreme habitats.*

**RECITATION**



**Organism Interactions**

*Video, microscope, and direct observations.*

**LABORATORY**



**Desert Species**

*Reptiles, arachnids, succulents, and GTA research presentations.*

**ON-LINE READINGS**



**Desert; Pupfish**

*Desert characteristics and examples; a highly endangered species.*



**Work Ahead for Tuesday’s Lecture**

Read “Deserts” and answer the following questions.

What are the climate characteristics of the desert?

List the four deserts in the North American West.

The two locations of water in the desert are \_\_\_\_\_ and \_\_\_\_\_.

How do deserts form?

**Work Ahead for On-Line Readings**

Read “Pupfish” and answer the following questions.

Describe the Devils Hole Pupfish’s natural habitat.

Why has the population declined in number?



**Succulent Plants**

**store water.**

**These *Opuntia* cacti store water in their stems, the leaves are spines.**

What is being done to try to save the Devils Hole pupfish?

**Work Ahead for Recitation**

From **Organism Interactions** in the **activity manual**, answer the following questions.

On p. 126, ants are classified with bees and wasps in *Order* \_\_\_\_\_ . (from Flowers recitation, p. 112)

List the three types of ants in a colony.

*Azolla* ferns and *Anabaena* cyanobacteria have a \_\_\_\_\_ symbiotic relationship (p. 127). Oak trees and wasp larvae have a \_\_\_\_\_ symbiotic relationship (p. 128).

**Work Ahead for Laboratory**

From **Desert Species** in the **activity manual**, answer the following questions.

Turtles typically live in \_\_\_\_\_ and tortoises typically live in \_\_\_\_\_ (p. 132).

List two examples of Arachnids. (p. 134-135). \_\_\_\_\_



Xerophytic plants are adapted to live in \_\_\_\_\_ (p. 135)

List three locations where succulent plants can store their water.

**\* The stamped portfolio assignment this week requires lab attendance in the section you have registered for. There are no make-ups.**

**Portfolio #3 is due next Monday, Nov. 24** Portfolios can be turned in early, Thursday or Friday this week, 133 Weniger

*Symbiosis*



**Mutualism:** Organisms of different species live close together and both benefit. List three examples of mutualism that we have already studied this term.



**Parasitism:** One organism benefits, the other is harmed (not necessarily killed). List two examples of parasitism.



**Commensalism:** One species benefits, the other is not impacted. Other than clown fish and anemone, what is an example of commensalism?

**Terrestrial Biomes**

*Review the Temperature and Precipitation Charts in the Biomes Recitation (p. 78-79)*