Chapters 52 and 53: Biomes and Population Ecology

Chap 52

(Do NOT get too caught up in the details of the different biomes)

Know the concept of a biome?

How is climate a factor of biomes?

Be aware of the basic descriptions of the terrestrial and aquatic biomes (52.2 and 52.3)

Chap 53

What is the difference between density of a population and the dispersion of a population?

What are the three patterns of dispersion? Can you apply real world examples to them?

What is the difference between emigration and immigration?

How can demographics/demography help us understand ecology?

What is a survivorship curve?

What can survivorship curves tell us about populations?

What is zero population growth? What must be true for this to occur?

Be able to compare exponential growth to logistic population growth.

Know the concept of the carrying capacity and how it applies to the logistic population growth.

Know the differences between K-selected and R-selected organisms.

What is density independent and how is it different than density dependent?

Know examples of each type above for regulation.

Explain how population levels can cycle.

Know the basics of human population. (Growth, age structure, carrying capacity, etc)