

Take Two and Call Me in the Morning: A Case Study in Cell Structure and Function

by

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Table 1: Differences Between Organisms (complete before class)

CHARACTERISTIC	Virus	Bacteria	Protozoa
What differences exist in the type and shape of the genetic material?			
What differences exist in the structure that provides an outer protective barrier?			
What differences exist in reproduction?			
What differences exist in size?			
What drugs can treat infections?			

Table 2: Mechanism of Action of Antibiotics (complete in class)

	Drug Name	Mechanism	Why It Does Not Harm Human Cells
Prokaryotes			
Eukaryotes			
Viruses			

Table 3: Similarities between Mitochondria and Bacteria (complete in class)

ORGANISM	Circular DNA	Size (µm)	rDNA sequence	Phospholipids similarity prokaryote or eukaryote	Phospholipids similarity prokaryote or eukaryote	Divide to make clones
Bacteria						
Mitochondria						

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