Honors Biology Chapter 17 & 18

Review Sheet

# Chapter 17

Aritotle’s classification system

Carl Linnaeus – binomial nomenclature

Taxonomy

What are the four rules to writing a scientific name?

List and define the taxonomic categories

Taxa

Typological Species Concept

Biological Species Concept

Phylogenic Species Concept

Phylogeny

Characters

Morphological Characters

Cladistics

Cladogram

Three domains

Six kingdoms – characteristics

# Chapter 18

Bacteria

Characteristics of bacteria

3 types of Archae

Differences between archae and bacteria

Prokaryotic structure



Function of ribosomes

Chromosome of bacteria

4 functions of a capsule

Cell wall

Flagella

Plasmid

Pili

2 functions of pili

3 shapes of bacteria

Binary fission

Conjugation

4 types of bacteria

Endospores

Mutations of bacteria

Food and medicine with bacteria

Disease causing bacteria

Virus

Origin of a virus

Viral infection

Lytic cycle

Lysogenic cycle

Retrovirus