**Reading and Lecture Guide for the Theropoda, part 1 (Chapter 9)**

**Chapter 9: Suborder Theropoda**

What general characteristics are shared by the Theropods?

What are the 5 main evolutionary novelties/ Diagnostic Characteristics shared by the Theropods that we discussed in class & and what is the evolutionary function of each (when known)?

Some Major Theropoda Groups:

*Ceratosaurs:*

 The time range of this group =

What is the major shared novelty of this group?

*Ex. Coelophysis* & what evidence is there that this animal was(or wasn’t) a cannibal?

*Allosauridae:*

 General characteristics:

The time range of this group =

 An example of a genus in family is:

What type of evidence yield information about lifestyle?

*Tyrannosauriade*

General characteristics:

The time range of this group =

Evolutionary Novelties

 An example of a genus in family is:

What type of evidence yield information about lifestyle?

What type evidence is used to debate whether *T. rex* was a predator or a scavenger?

3 Ways to distinguish between the *Tyrannosauriade* and the *Allosauridae:*

Dromaeosauridae:

 General characteristics:

 Evolutionary Novelties:

The time range of this group =

 An example of a genus in family is:

What evidence is there that this animal was an active predator?