**Animal Kingdom…Test #1 Outline Test…Friday, November 25, 2016**

* What are the characteristics of a member of the kingdom Animalia [know the first 7 given in notes]
* What does the survival of an animal depend on?
* What are the informal divisions for the animal kingdom and what percent of animals in each?
* What is the difference between an invertebrate and vertebrate?
* Know how to read and interpret the phylogeny [cladogram] for the 9 invertebrate phyla and chordates.
* What are the two types of body symmetry? Explain
* Know the invertebrate chart

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| --- | --- | --- |
| Phylum | Characteristic | Example |
| Porifera [sponges] |  |  |
| Cnidarians |  |  |
| Platyhelmintes  [Flatworms] |  |  |
| Nematoda  [Roundworms] |  |  |
| Annelids |  |  |
| Mollusca  [Mollusks] |  |  |
| Arthropoda |  |  |
| Echinoderms |  |  |

* Questions 1-4 page 699 Annelids Questions
* What is an annelid?
* Know the following terms with respect to the earthworm dissection:
  + Septum
  + Setae
  + Prostomium
  + Clitellum
  + Ventral/dorsal side
  + Coelom
  + Pharynx
  + Crop
  + Gizzard
  + Ganglia
* Pathway of food as it enters the prostomium
* Know the 6 functions for the annelid with respect to:
  + Digestion and feeding
  + Circulation
  + Respiration
  + Response
  + Movement
  + Reproduction
* Three locations for invertebrates fossils
* Significance Burgess Shale
* Characteristics of Burgess Shale fossils [true and false]
* 7 Functions to carry out life for invertebrates
  + Feeding and Digestion
    - Intracellular digestion
    - Extracellular digestion
    - Coelom
  + Respiration
    - Two basic requirements for all respiratory system
  + Circulation
    - Open vs Closed Circulatory system
    - Type of circulation for active animals
  + Excretion
  + Response
    - Cephalization, centralization and specialization
  + Movement and support
    - Hydrostatic skeleton
    - Exoskeleton
    - Endoskeleton
  + Sexual and asexual reproduction
    - Advantage for sexual reproduction
    - Advantage for asexual reproduction
    - Zygote
    - External vs internal fertilization