**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