midi Exam Date. BY 600	Due Date of Review:
5/24 - 2nd 5ha - 4n + 5m 5/28 - 15+ 4n Vertebrate & Inverteb	rate Exam Review Guide
Animals: General Knowledge 5/30-34,7h	
1. Identify the traits that all organisms in Kingdom Animalia share.  1.) Cell number - Muhaluaa  2.) Mode of nutrition - Helecoypon	<ol> <li>For each phylum listed below, write which kingdom (eubacteria, archeabacteria, protista, fungi, plantae or animalia) it would belong in.</li> </ol>
3.) Cell Wall absent of present - Absent	Kingdom Phylum
110001	Animalia Porifera
2. How do heterotrophs get nutrients for energy?	Cnidaria
Eat other organisms	Platyhelminthes
	Nematoda
3. a. What does <b>motile</b> mean?	Annelida
IVIOVES	Arthropoda
b. What does sessile mean?  Demonantly attached	Mollusca
c. Provide an example of a sessile organism is.	Echinodermata
SONAC SONAC	Chordata
70199	
4. Label the following: dorsal, ventral, anterior, and posterior	<ul> <li>Identify (a) the least evolved animal phylum and (b) the most evolved animal phylum of animals.</li> <li>a. Porifical</li> </ul>
L DOSAL A	b. Chordata
The state of the s	10. Define Ectotherm. Cold blooded - temperature Controlled by environment Define Endotherm. Warm blooded - Self regulated to maintain temperature
L VEI IV & I	11. What is the function of the respiratory system in animals, what two gases are exchanged?
<ol><li>Draw and label the type of symmetry shown in the</li></ol>	Exchange CO2 and O2
diagrams below.	27-14-19- 602 410 02
(radial symmetry, bilateral symmetry and asymmetry.)  (a beetle)  (a coral polyp)  (a sponge)  Radial Asymmetry	12. What is an endoskeleton? Internal Structure  The Support & protection  What is an exoskeleton? Covers body to  protect internal organs  What is a hydroskeleton? Supported by  Fluid (fluid filled)
List the <b>levels of organization</b> given below from simplest to most complex.	13. According to this graph which animal is an
(organs, Cells, tissues, organ systems, organisms, organelles)  1.  O MILLS 5. OVAL SYSTEMS  2. CHIS 6. OVAL ISM  4. OVAL S	Endotherm:  Alamolousled  Bob Cat  Ectotherm:  Calaboxided - Shake
7. In a human, give three examples of an organ. a. Kidhay b. Lung c. Stormach	Zentes (cold-broadest)  Anhiest Imperature (**)
	14. What is used to group animals into their different phyla?
	characteristics

Period: \_\_\_

15. Define complete digestive system.  100 Defines to digest ingestational Define incomplete digestive system.  11. What is the function of the circulatory system?  12. What is the function of the respiratory system?  13. What is the function of the respiratory system?  14. What protein is an exoskeleton made of?	29. Symmetry of a snail? 25. Symmetry of a snail? 26. What do some mollusks, such as snails and clams, have that aid in protection? 27. Echinoderms  31. Draw the planes (lines) to show it has radial symmetry.
19. Yes or No: Do arthropods have joint appendages? \(\frac{\sqrt{CS}}{\sqrt{S}}\)	
Invertebrates  Porifera  **No Organs  20. What type of symmetry do they exhibit? Asymmetry  21. By what process do sponges get oxygen and food?	32. What is the general term to describe these type of worms? Seamanda worms  33. What is an example of an annelid? Parkworm  34. Labe the earthworm's dorsal and ventral side.
22. Sponges respire oxygen, circulate nutrilents and excrete waste all by which type of transport?  23. (Circle one) Are sponger Sessile or mobile?  Do sponges have tissues? (Circle one: YES or NO)	Arthropods
24. What is the general term to describe these types of worms?  25. Many of these worms are parasitic. What does this mean?	35. What protein is an arthropod's exoskeleton composed of? Chitin  36. Do Arthropods have an open or slosed eigestive system?
26. What characteristic is unique to Cnidaria that can immobilize prey?  Shade Cells on tentacles	
Nematoda ** Most are parasitie  27. What is the general term to describe these types of worms? Round warm  28. Nematodes developed the first complete digestive tract, which means they have a true mouth and anus. Is this called incomplete or complete digestive system?	

## Vertebrates

37. All vertebrates are classified into what phylum?

44. How do reptiles and other ectotherm animals control

warm in sun, cool in shade

their body temperature?

Chordata

* Endoskeleton, Bilateral symmet	by 3. Nurse their young
38. Do vertebrate cells have a cell wall?	46. True or False: Amphibians, birds, reptiles, and mammals are all chordates?
39. Which of the following are examples of vertebrates (circle them):  Humans Octopus Snails	47. Describe the nervous system of mammals. Nerve sensors  Complex brain dorsal perfect cord  Are their nerve cords dorsal or ventral? Dorsal
Spider From Sea star Cricket Shark Cow Dogs Fly Lady Bug	Bring a pencil or blue or black pen to fill in your scantron!
Fish  40. What is the primary function of gills?  DIADSI ON JEXCHORGE OF CO2 = D2	Note: (3) You may use ONE 3 X 5 notecard on the test. You must HAND WRITE all the information.
Amphibian 41. Where must they lay their eggs?	You may write on both sides of the card. Your name MUST be on the card. You will TURN IN the card with your test.
Birds 42. Do birds have an open or closed circulatory systems?	
Reptiles	Know your chart!
43. Are reptiles endothermic or ectothermic?	

**Mammals** 

45. List three features unique to mammals.

\* Sexual reproduction = 12 mom + 12 dad = offspring is different

\* Askual reproduction = 1 parent = offspring identical