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inal Exa	am Date:	Due	Date of Review:		
	<u>Vertebrate & Invertebrate </u>	rate Exa	am Review G	<u>uide</u>	
Animal	s: General Knowledge				
1.	Identify the traits that all organisms in Kingdom Animalia share. 1.) Cell number 2.) Mode of nutrition	8.		eabacteria	ow, write which kingdom a, protista, fungi, plantae or n.
	3.) Cell Wall absent of present -		Kingdom	Phy	/lum
2.	How do heterotrophs get nutrients for energy?			Cni	ifera daria tyhelminthes
3.	a. What does motile mean?			Ner Anr	matoda nelida
	b. What does sessile mean?			Мо	hropoda Ilusca inodermata
	c. Provide an example of a sessile organism is.				ordata
4.	Label the following: dorsal, ventral, anterior, and posterior	9.	most evolved ani	mal phylu	ed animal phylum and (b) the um of animals.
		10.	b	·	
5.	Draw and label the type of symmetry shown in the	11.	What is the functi		respiratory system in e exchanged?
	diagrams below. (radial symmetry, bilateral symmetry and asymmetry.)		. What is an endoskeleton ?		
			What is an exoskeleton ?		
,	(a beetle) (a coral polyp) (a sponge)		What is a hydrosk	eleton?_	
6.	List the levels of organization given below from simplest	13.	. According to this	graph wh	ich animal is an
	to most complex. (organs, Cells, tissues, organ systems, organisms, organelles) 1 5	45 —		7	Endotherm:
	2 6 3 4	Body temperature (°C) = 20 = 20 = 20 = 20 = 20 = 20 = 20 = 2	Bob Cat (warm-blooded)		Ectotherm:
7.	In a human, give three examples of an organ. a.	10-	/30	Snake (cold-blooded)	

14. What is used to group animals into their different phyla?

15.	Define complete digestive system.	
	Define incomplete digestive system.	<u>Mollusca</u>
		29. Symmetry of a snail?
16.	What is the function of the circulatory system ?	30. What do some mollusks, such as snails and clams, have that aid in protection?
17.	What is the function of the respiratory system ?	Echinoderms 31. Draw the planes (lines) to show it has radial symmetry.
18.	What protein is an exoskeleton made of?	
19.	Yes or No: Do arthropods have joint appendages?	
	<u>Invertebrates</u>	Annelida 32. What is the general term to describe these type of worms?
Porifera	600	33. What is an example of an annelid?
		34. Labe the earthworm's dorsal and ventral side.
20.	What type of symmetry do they exhibit?	
21.	By what process do sponges get oxygen and food?	
22.	Sponges respire oxygen, circulate nutrients and excrete waste all by which type of transport?	<u>Arthropods</u>
23.	(Circle one) Are sponges Sessile or mobile ? Do sponges have tissues? (Circle one: YES or NO)	
Platyhel	minthes	35. What protein is an arthropod's exoskeleton composed
24.	What is the general term to describe these types of worms?	of?
25.	Many of these worms are parasitic. What does this mean?	36. Do Arthropods have an open or closed digestive system? ———————————————————————————————————
Cnidaria 26.	What characteristic is unique to Cnidaria that can immobilize prey?	
(2)	What is the general term to describe these types of worms?	

which means they have a true mouth and anus. Is this called incomplete or complete digestive system?

Vertebrates

Chordata							
	37. All vertebrates are classified into what phylum?						
38.	Do vertebrate cells have a cell wall ?						
39.	Which of the following are examples of vertebrates (circle them):						
	Humans	Octopus	Snails				
	Cats	Sponge	Squid				
	Spider	Frog	Sea star				
	Cricket	Shark	Cow				
	Dogs	Fly	Lady Bug				
	Dogs	,,,	Lady Bag				
40.	What is the pri	mary function o	of gills?				
Amphibian 41. Where must they lay their eggs?							
<u>Bird</u> 42.		n open or close	ed circulatory systems?				
	<u>tiles</u>						
43.	3. Are reptiles endothermic or ectothermic?						
44.	How do reptile their body tem		otherm animals control				

Mar	<u>nmals</u>
45.	List three features unique to mammals.
	1
	2.
	3.
	True or False: Amphibians, birds, reptiles, and mammals are all chordates?
47.	Describe the nervous system of mammals.
	Are their nerve cords dorsal or ventral?
47.	Describe the nervous system of mammals.

Bring a pencil or blue or black pen to fill in your scantron!