Name:	KEY	-	
	SHAPE OF LIFE: CNIDARIANS	C & C	
	is video is titled, "Cnidarians: <i>Life on the Move</i> ." Which phylum did we learn about darians that includes members are all sessile and do not frequently move?	T.	
Pori	ifera (sponges)		
2. Tru	e or False: Early naturalists thought anemones may have been plants. True		
3. Wh	nat group of animals existed prior to cnidarians? Sponges		
4. Wh	nat turning point in animal behavior did cnidarians mark?		
Cnic	darians have tentacles that are sensitive, can reach out, and can perceive th	ie world.	
5. Wh	nen did cnidarians develop other features such as a mouth and stomach?	AN MARK	
Мо	re than 500 million years ago		
6. Cni	idarians were the very first animals to <u>move</u> .	S & MUL	
7. Ho	w many sets of muscles do cnidarians have? What does this allow them to do?		
Cnid	larians have 2 sets of muscles. This allows them to bend in any direction.		
8. What type of cells do cnidarians have to control their muscles through electrical impulses?			
Nerv	ve cells (nerves)		
9. Tru	e or false: Cnidarians were the first active predators on the planet. True		
10. How do nematocysts help a cnidarian to hunt?			
The toxi	nematocysts discharge at a rapid rate when touched, filling the prey with ns.		
11. What did the anemone do when it caught the goby?			
	sea anemone dragged the goby into its mouth using its tentacles, digesting goby while it was still alive.	0	
12. Tru	e or false: Nematocysts always appear the same. False		
	ie or false: All cnidarian toxins are fatal to humans. False		
14. In addition to capturing food with their nematocysts, what else do cnidarians use them for?			
Cnid	larians also use them to battle against each other over territory.		
15. Wh	nile you watch the anemones battling does it appear that they can sense pain? Why	or why not?	
	oes appear that they can sense pain! Each time they are touched by the oth	ier anemone,	

16. True or False: An anemone can kill another anemone. True © Science from Scratch

17. What does the losing anemone do?			
The losing anemone curls within itself and will eventually move to a new location.			
18. What do coral polyps eat? plankton			
19. How did stomphia know that the sea star was near it?			
Stomphia was able to feel the sea star			
20. What can stomphia do to avoid predation by the sea star?			
Stomphia detached its basal disk from the ground and swam away!			
21. Which type of cnidarians existed first: polyps or medusae? polyps			
22. What are two differences between a polyp and a medusa?			
The location of the mouth, thinner tentacles in polyp, the medusa has a bell, the medusa is like a polyp flipped upside-down.			
23. Where can you find jellyfish? Circle all that apply.			
upper oceans deeper water			
24. Describe praya.			
Praya is a combination of the polyp and medusa body plans. It has a pulsing medusa at the top with a stalk-like polyp and trailing tentacles.			
25. How long can praya be? 120 feet			
26. What is colobonema's defense mechanism?			
Colobonema detaches its tentacles to deter and distract predators.			
27. Conclusion Question: Sponges did not need to have muscles. Why do cnidarians need to have muscles?			
Cnidarians need to have muscles so that they can hunt prey, either swimming towards it or moving towards it. Cnidarians also use their muscles to swim (the bell of a jellyfish contracting). Lastly, cnidarians use their muscles to avoid predation (ex. stomphia escaping the sea star).			

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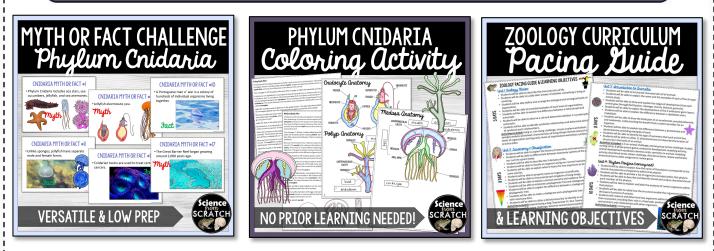
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