

Name: _____



SHAPE OF LIFE: CNIDARIANS

1. True or False: Early naturalists thought anemones may have been plants. _____
2. What group of animals existed prior to cnidarians? _____
3. What turning point in animal behavior did cnidarians mark? _____
4. When did cnidarians develop other features such as a mouth and stomach? _____
5. Cnidarians were the very first animals to _____.
6. How many sets of muscles do cnidarians have? What does this allow them to do? _____
7. What type of cells do cnidarians have to control their muscles through electrical impulses? _____
8. True or false: Cnidarians were the first active predators on the planet. _____
9. How do **nematocysts** help a cnidarian to hunt? _____
10. What did the anemone do when it caught the goby? _____
11. True or false: Nematocysts always appear the same. _____
12. True or false: All cnidarian toxins are fatal to humans. _____
13. In addition to capturing food with their nematocysts, what else do cnidarians use them for? _____
14. While you watch the anemones battling does it appear that they can sense pain? Why or why not? _____
15. True or False: An anemone can kill another anemone. _____



16. What does the losing anemone do?

17. What do coral polyps eat? _____

18. How did stomphia know that the sea star was near it?

19. What can stomphia do to avoid predation by the sea star?

20. Which type of cnidarians existed first: polyps or medusae? _____

21. What are two differences between a polyp and a medusa?

22. Where can you find jellyfish? Circle all that apply.

upper oceans

deeper water

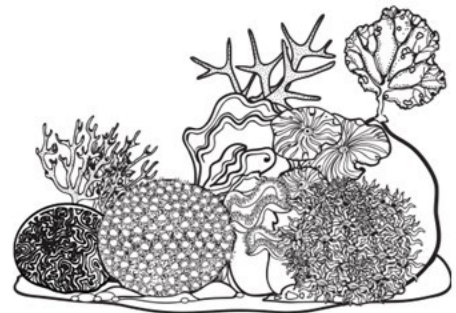


23. Describe praya.

24. How long can praya be? _____

25. What is colobonema's defense mechanism?

26. Conclusion Question: Sponges did not need to have muscles. Why do cnidarians need to have muscles?



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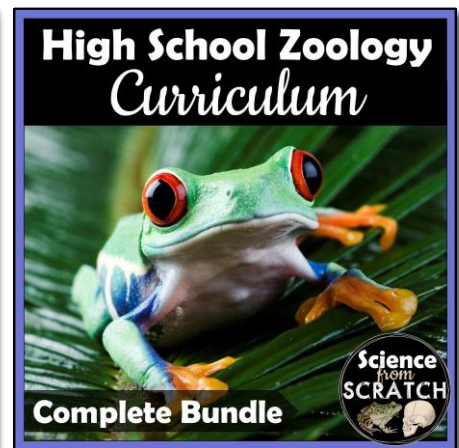
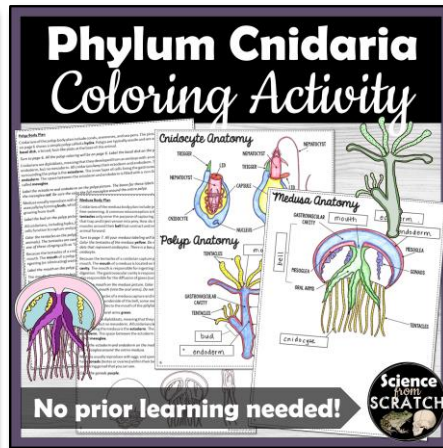
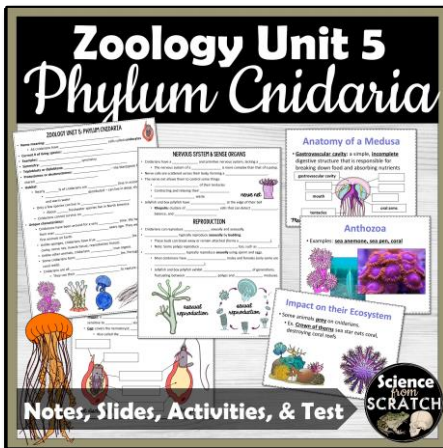
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