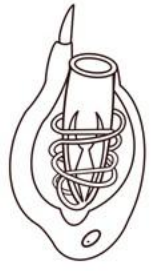


Name: _____



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

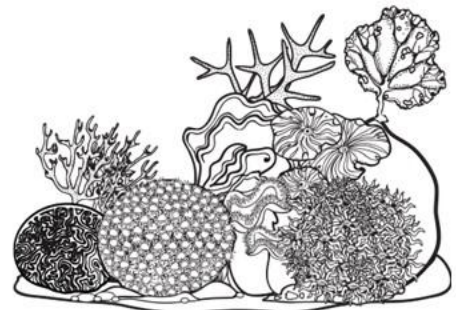


23. Describe praya.

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?



Name: _____



SHAPE OF LIFE: CNIDARIANS

1. This video is titled, "Cnidarians: *Life on the Move*." Which phylum did we learn about prior to cnidarians that includes members are all sessile and do not frequently move?

2. True or False: Early naturalists thought anemones may have been plants. _____
3. What group of animals existed prior to cnidarians? _____
4. What turning point in animal behavior did cnidarians mark?

5. When did cnidarians develop other features such as a mouth and stomach?

6. Cnidarians were the very first animals to _____.
7. How many sets of muscles do cnidarians have? What does this allow them to do?

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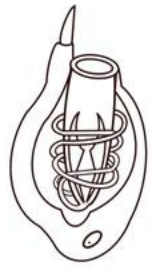
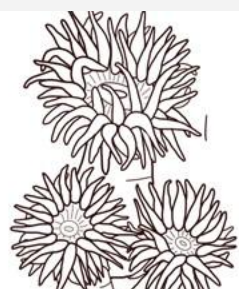
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15. While you watch the anemones battling does it appear that they can sense pain? Why or why not?

16. True or False: An anemone can kill another anemone. _____



17. What does the losing anemone do?

[Blank answer area]

18. What do coral polyps eat?

[Blank answer area]

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

[Blank answer area]

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

[Blank answer area]

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

[Blank answer area]

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

[Blank answer area]



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

upper oceans

deeper water

24. Describe praya.

[Blank answer area]

25. How long can praya be?

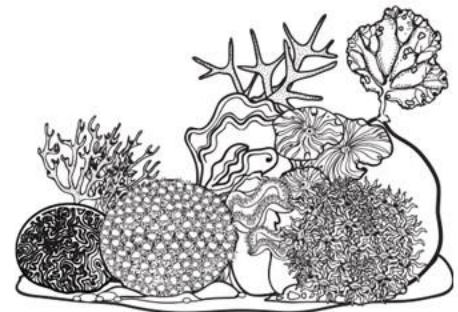
[Blank answer area]

26. What is colobonema's defense mechanism?

[Blank answer area]

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

[Blank answer area]



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LOOKING FOR MORE ZOOLOGY RESOURCES?

The cover for 'Zooology Unit 5 Phylum Cnidaria' features a collage of educational materials. It includes text boxes with headings like '2020 UNIT 5 PHYLUM CNIDARIA', 'NERVOUS SYSTEM & SENSE ORGANS', 'REPRODUCTION', 'Anatomy of a Medusa', and 'Anthozoa'. There are also illustrations of various cnidarians like jellyfish and sea anemones. A 'Science from SCRATCH' logo is in the bottom right corner.

**Zooology Unit 5
Phylum Cnidaria**
Notes, Slides, Activities, & Test

The cover for 'Phylum Cnidaria Coloring Activity' shows several anatomical diagrams of cnidarians, including a Hydra, a Medusa, and a Polyp. Each diagram is labeled with parts like 'mouth', 'anus', 'tentacles', and 'gastrovascular cavity'. There is also a 'Science from SCRATCH' logo in the bottom right corner.

**Phylum Cnidaria
Coloring Activity**
No prior learning needed!

The cover for 'High School Zoology Curriculum' features a vibrant photograph of a red-eyed tree frog sitting on a green leaf. The text 'High School Zoology Curriculum' is at the top, and 'Complete Bundle' is at the bottom. A 'Science from SCRATCH' logo is in the bottom right corner.

**High School Zoology
Curriculum**
Complete Bundle

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