

Biology I - diy NOTES

Chpt 26.1 and 26.2

Sponges and Cnidarians

Name _____

Date _____ Hour _____

Read chapter 26.1 & 26.2 in your text, page 693-705. Fill in the blanks (or answer the questions) below using the information you have read.

1. Sponges are in the phylum _____ which means _____ .
2. Do they move?
3. How do sponges get their food? Describe how this works.
4. Like all animals, sponges are _____-cellular. Their cells are _____ to perform functions that help the animal survive. However sponges DO NOT have _____ like those found in other animals.
5. Biologists hypothesize that sponges evolved from _____ such as _____ .
6. Why are sponges considered a major step in evolution of animals?
7. Sponges can reproduce asexually by _____ , _____ , and the formation of seedlike particles called _____ that can grow into new sponges when separated from the parent sponge.
8. Most sponges reproduce _____. Although some have _____ sexes, most sponges are _____. This means they _____ .
9. What is the benefit to being a hermaphrodite?

10. How do sponges protect themselves from predators? Name 2 ways.

Cnidarians

11. Cnidarians are a group of _____, such as _____, _____, _____, and _____. Most live in _____ biomes.

12. A cnidarian's body is _____ symmetrical, has _____ body _____, and is made of _____ of cells which are organized into _____ with specific functions.

13. How do cnidarians get oxygen and get rid of carbon dioxide?

14. Most cnidarians undergo a change in _____ during their life cycle. Name *and* describe the two body forms of cnidarians.

15. How is sexual reproduction in cnidarians similar to alternation of generations in plants? How does it differ?

16. How do cnidarians reproduce asexually?

17. What are nematocysts? What are they used for?

18. How cnidarians eat:

Food is captured by the _____, and brought into the _____ by the _____.

Cnidarians have a simple stomach-like space called the _____ in the center of their bodies. Here cells specialized for _____ release _____ to digest prey.

19. Where do undigested materials go?

20. Describe the nervous system of cnidarians.

21. How do coral reefs form?

22. Scientists infer that sponges may have evolved from _____
_____.

23. Cnidarians are also thought to have evolved from _____.

This is because the _____ form of cnidarians resemble
_____.