

Phylogeny of Animals



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Specialized cells of a sponge:		Three types of cells that compose a cnidarian's body:
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•		•
•		•

Cnidarian Classes

Class	Description

MAIN IDEA: Sponges have specialized cells but no tissues.

Choose the correct term or terms from the box below to complete the following sentences.

	parasnes
Sponges lack and cells. They are they are unable to move from where they are attached.	, meaning
. Sponges attach tosurfaces. They secrete	substances that
keep other sponges from into their area and also and	o protect them from

Section 23.3 STUDY GUIDE CONTINUED

MAIN IDEA: Cnidarians are the oldest existing animals that have specialized tissues. Complete the following chart with a description and simple sketch of the two types of cnidarian body types.

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Body Form	Description	Sketch
7. polyp		
8. medusa		

9. How do enidarians reproduce asexually?

Choose the correct term from the box to fit each definition of a part of a cnidarian's anatomy.

	10. These cells interconnect and form a network over the entire animal. They send sensory information around the animal and coordinate muscular contractions.
la sue de participante de la sue de Mina de la sue de la sue Mina de la sue de la	11. This is a non-cellular jellylike material.
	12. These cells cover the surface of a cnidarian and contain muscle fibers.
	13. These cells contain stinging structures used for defense and capturing prey.

14. What is a nematocyst?

15. What is the function of the gastrovascular cavity?

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FLATWORMS, MOLLUSKS, AND ANNELIDS

Power Notes

Phylum	Groups / Classes	Phylum Features
Flatworm		
Mollusk		
Di		
Annelid		