



# Sponges, Cniderians & Worms

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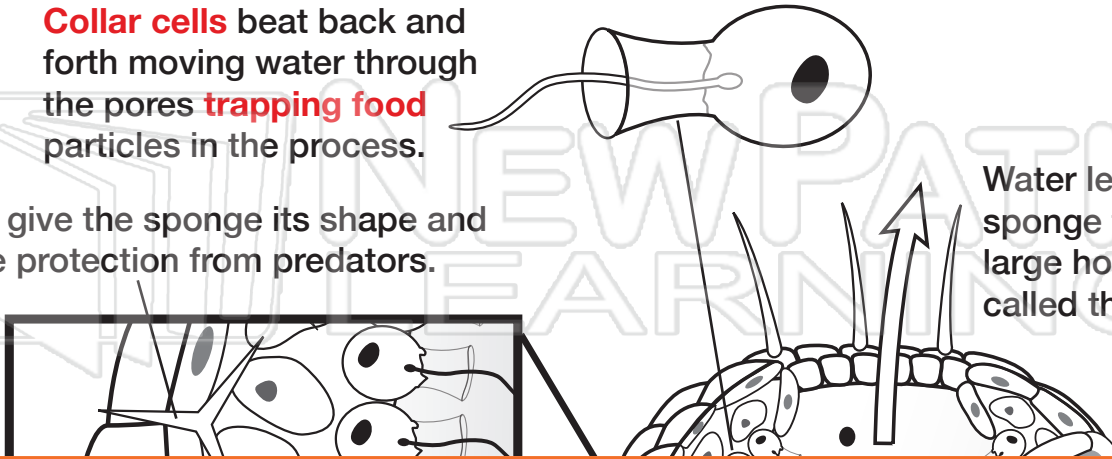
Name \_\_\_\_\_ Class \_\_\_\_\_ Date \_\_\_\_\_

**Sponges** are the simplest of all animals belonging to the phylum **Porifera**. Mature sponges remain in one place attached to rocks underwater.

**Collar cells** beat back and forth moving water through the pores **trapping food** particles in the process.

**Spikes** give the sponge its shape and provide protection from predators.

Water leaves the sponge through a large hole on top called the **oscula**.



larva

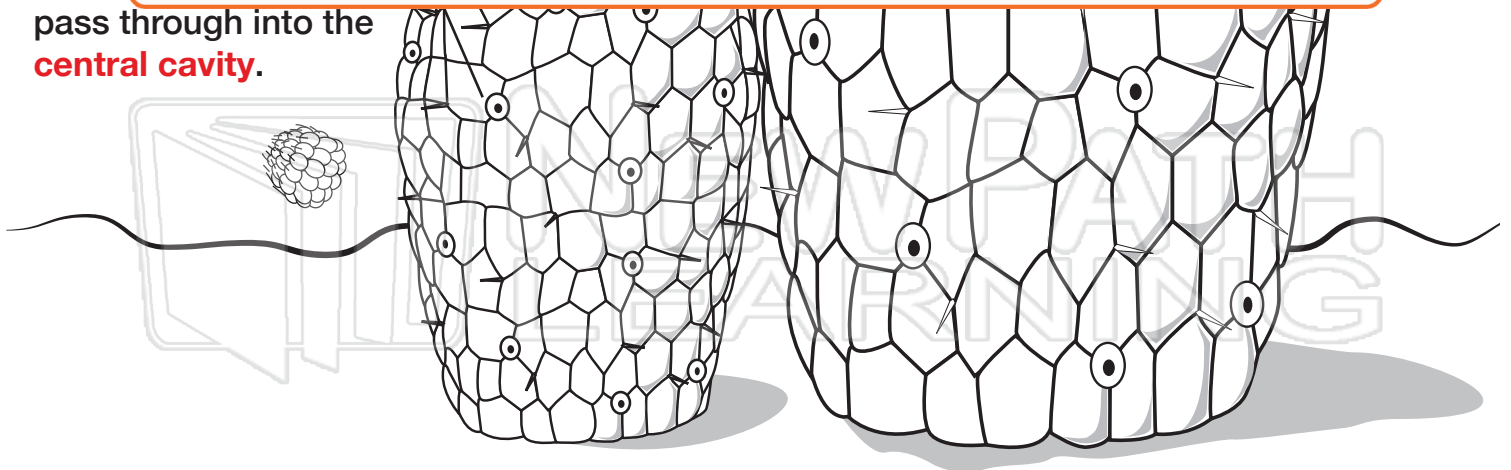


## PREVIEW

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egg

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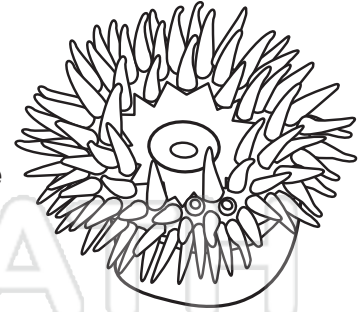




# Sponges, Cnidarians & Worms

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**Cnidarians** are invertebrate animals that have stinging cells to capture food and defend themselves. Examples of cnidarians include **jellyfishes**, **hydra**, **sea anemones** and **corals**.

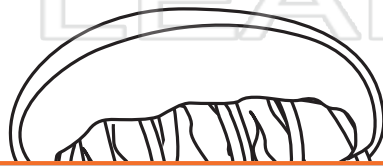


anemone

## Jellyfish Life Cycle

1 Sperm and egg cells are released. The egg cell is fertilized by a sperm cell.

5 Each disc-shaped structure develops into a polyp.



ep

larva

larva develops.

larva

3 The larva develops into a polyp.

4 The polyp reproduces asexually releasing many disc-shaped structures.



budding polyp





# Sponges, Cniderians & Worms

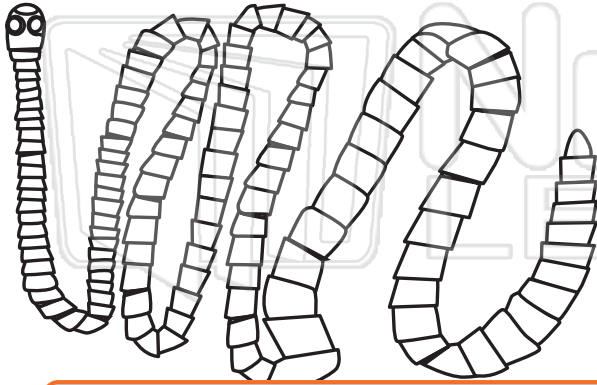
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Although most **flatworms** are too small to be seen with the naked eye, some species can grow up to ten meters long.

The **tapeworm** is a **parasitic flatworm** that depends on its host for food.

**Planarian** is a **non-parasitic flatworm** that lives in ponds, streams and oceans.



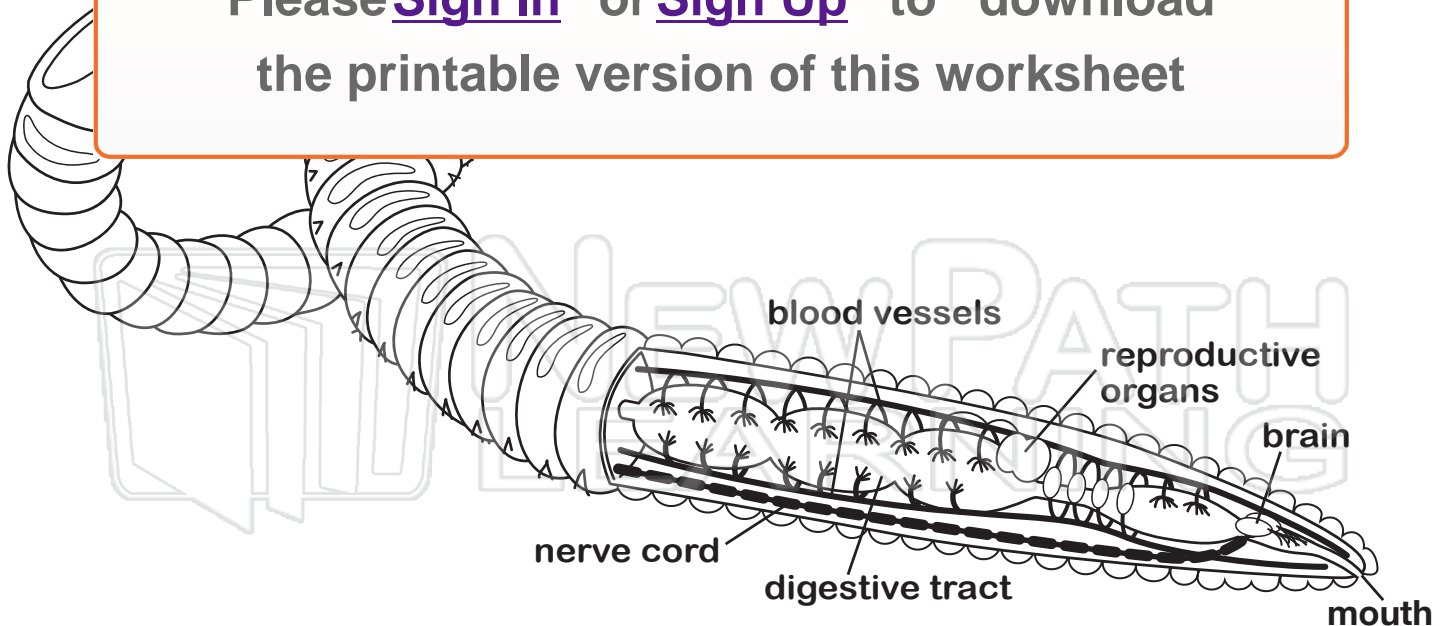
Rounds  
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grow  
segment



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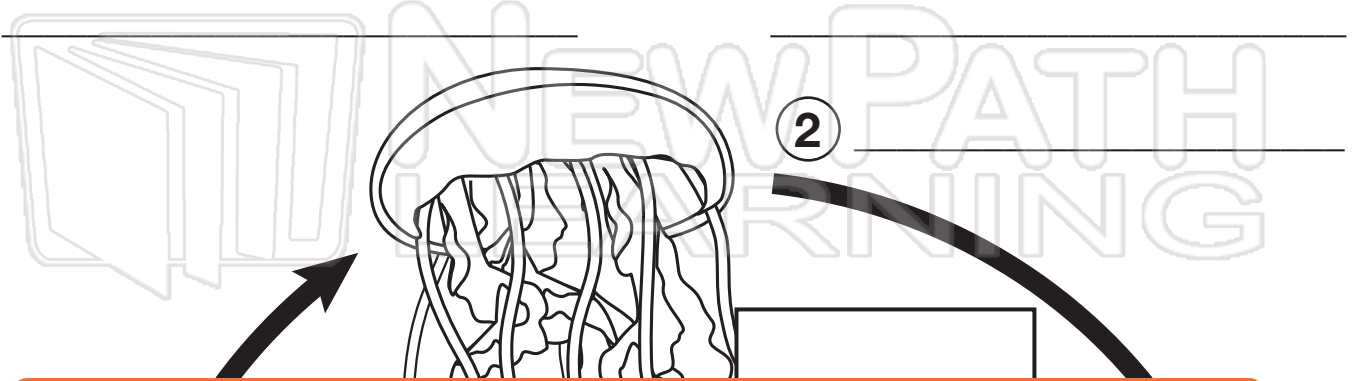


# Sponges, Cniderians & Worms

Name \_\_\_\_\_ Class \_\_\_\_\_ Date \_\_\_\_\_

Complete the jellyfish life cycle.

5 \_\_\_\_\_ 1 \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



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The advertisement features a group of diverse children standing on a green hill. Above them are four thought bubbles containing various educational icons: a cube, a microscope, a protractor, a globe, a balance scale, a target, a molecular structure, a pie chart, a bar graph, and a calculator. The text 'PREVIEW' is written in large, bold letters, and the call to action is in a smaller font below it.





# Sponges, Cniderians & Worms

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Name \_\_\_\_\_ Class \_\_\_\_\_ Date \_\_\_\_\_

Color and cut out the animals. Make a chart to separate them into the correct **phylum**. Find more examples to add.



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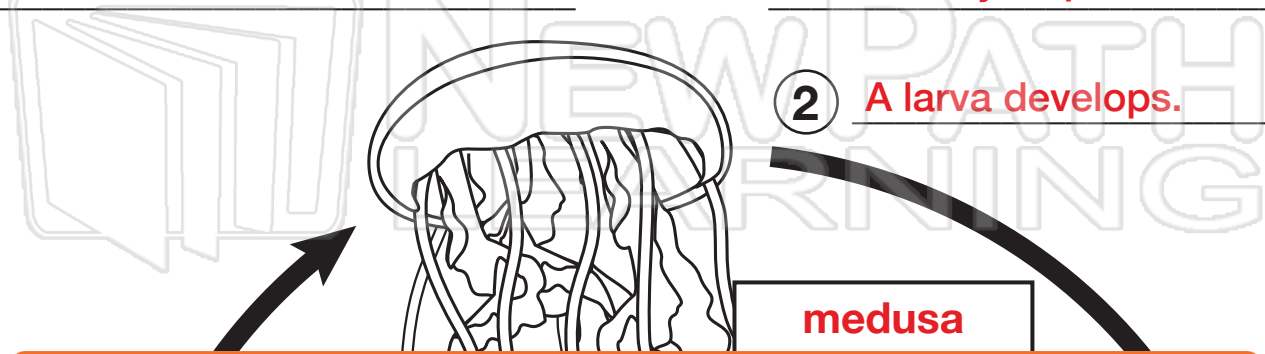
Name \_\_\_\_\_ Class \_\_\_\_\_ Date \_\_\_\_\_

Complete the jellyfish life cycle.

5 Each disc-shaped structure develops into an adult medusa.

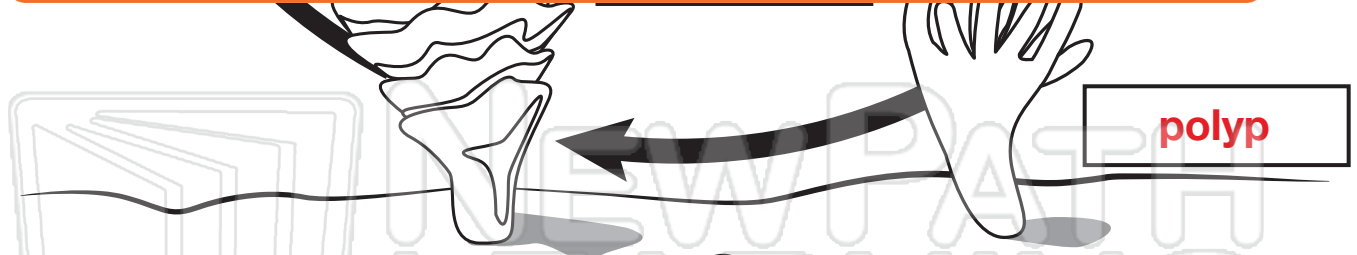
1 Sperm and egg cells are released. The egg cell is fertilized by a sperm cell.

2 A larva develops.



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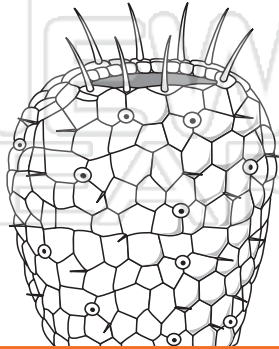


4 The polyp reproduces asexually releasing many disc-shaped structures.

3 The larva develops into a polyp.



## Answer Key - Sample

Color and cut out the animals. Make a chart to separate them into the correct **phylum**. Find more examples to add.

worms	sponges	cnidarians
		
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