

Name: \_\_\_\_\_



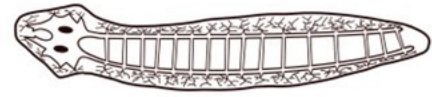
# SHAPE OF LIFE: PLATYHELMINTHES

1. True or False: Flatworms are closely related to the first hunting animal. \_\_\_\_\_

2. What four environments can a flatworm survive within?

3. Observe the brown planarians as they swim. How would you describe their movement on the sea floor?

4. Primitive worms were the first animals to develop a \_\_\_\_\_ nervous system.



5. What can the eyes of a flatworm sense?

6. The nervous system sends signals to a sturdy set of \_\_\_\_\_.

7. In addition to muscles, what other structure do planarians have to move?

8. These ancient worms were the first organisms to have sense organs in \_\_\_\_\_.

\*Note: **Stereo** means that input is directed through two sources (ex. Two eyes instead of one).

9. Where is the mouth of the flatworm located?

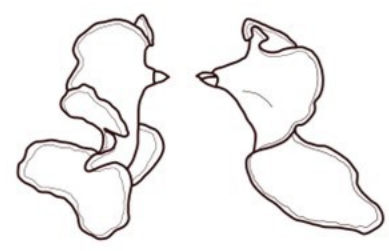


10. What is the function of the pharynx?

11. True or false: The digestive system of a flatworm extends through its entire body. \_\_\_\_\_

12. What type of fertilization happens within flatworms? \_\_\_\_\_

13. Describe how the two flatworms in the video mated.



14. Why didn't each flatworm want to be the mother? \_\_\_\_\_

15. What does it mean to be hermaphroditic?



16. Why is being hermaphroditic an advantage?

17. Flatworms were the first animals to actively pursue \_\_\_\_\_ and \_\_\_\_\_.

18. The most powerful beasts still have which two to three characteristics of a flatworm?

## FLATWORM ANIMATION: TAPEWORM

19. How long does the video claim a tapeworm can grow to be inside the human intestines? \_\_\_\_\_

20. Why do tapeworms have hooks and suckers?



21. Each segment of a tapeworm produces both \_\_\_\_\_ and \_\_\_\_\_.

22. The number of eggs produced by one tapeworm exceeds the number of...



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