

Name: _____



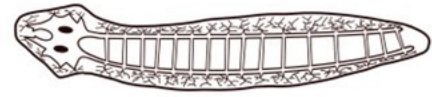
SHAPE OF LIFE: PLATYHELMINTHES

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?

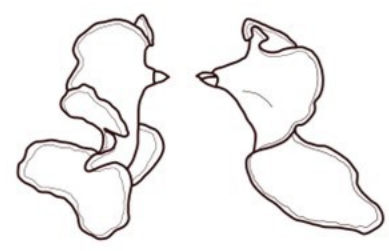


10. What is the function of the pharynx?

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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