



Shape of Life

Name _____ Date _____ Period _____

Phylum Platyhelminthes – Questions

Video Title: *Flatworms: The First Hunter Video* 9:54 minutes

1. Why does the video claim that the flatworm might have been the first hunter?
2. Name some environments where flatworms live.
3. Draw a quick sketch of the central nervous system of a flatworm.
4. Name two anatomical features that appeared on the flatworm before any other animal.
5. What are two features of the flatworm's eye?
6. How do flatworms move?
7. What is one advantage of having stereo senses?
8. Where is the flatworm's mouth located?
9. What is the function of the pharynx?
10. The flatworm was probably the first animal to have what kind of fertilization?
11. The sperm of a flatworm is delivered to the body of another flatworm through what process?
12. Define hermaphrodite.



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13. What are some features shared by both flatworms and modern mammals and reptiles?

14. Define in your own words the vocabulary words at the end of the video.

Central nervous system:

Cilia:

Stereo senses:

Triangulation:

Pharynx:

Internal fertilization:

Hermaphroditic:

Primordial:

Bilateral Symmetry:

Supplementary Questions

1. How long ago did the modern flatworms ancestors live?

2. What are the advantages and disadvantages of being a hermaphrodite?

3. Flatworms aren't the only kind of worm. There are roundworms, ribbon worms, arrow worms, acorn worms, and segmented worms. Can you name others?