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Pathfinder's Name

## Worms

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1. What is a worm?

\_\_\_\_\_  
\_\_\_\_\_

2. Where do worms live?

\_\_\_\_\_  
\_\_\_\_\_

3. What do worms eat?

\_\_\_\_\_  
\_\_\_\_\_

4. What kingdom are worms found in?

\_\_\_\_\_  
\_\_\_\_\_

5. Name the 3 major phyla (the next largest category of classification) that contain worms, and describe them.

1. \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

2. \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

3. \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

- ❑ 6. What do “free living” and “parasitic” mean?

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- ❑ 7. Which phyla, mentioned in question 5, are free living or parasitic?

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- ❑ 8. Answer the following questions about earthworms.

Where do they live?

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What do they eat?

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How are they helpful to humans?

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How short and how long do they get?

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How many are there in one square meter of soil?

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How many species are there?

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What is the clitelum?

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9. Find an earthworm outside and do the following:
- a. Be able to distinguish the following parts: Head end, Tail end, and clitelum.
  - b. Observe, and describe how it moves.

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c. How long does it take your worm to move one foot?

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d. Race your earthworms!

10. Answer the following questions about leeches.

Where do they live?

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What do they eat?

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How are they harmful to humans?

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How are they helpful to humans?

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11. Find a verse in the bible where worms are mentioned and demonstrate the story (through music, poem or drama)

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## Worms, Advanced

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- 1. What are the 3 major classes of platyhelminthes and describe them.
  - 1. \_\_\_\_\_  
\_\_\_\_\_
  - 2. \_\_\_\_\_  
\_\_\_\_\_
  - 3. \_\_\_\_\_  
\_\_\_\_\_
  
- 2. Name an example of a nematoda and describe its lifecycle.  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
  
- 3. What are the three major classes of annelida and how do they move?
  - 1. \_\_\_\_\_  
\_\_\_\_\_
  - 2. \_\_\_\_\_  
\_\_\_\_\_
  - 3. \_\_\_\_\_  
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- 4. Answer the following:

Distinguish between the following body structures: coelomates, pseudocoelomates, and acoelomates

Which body structures are common in the three phyla of worms?

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- 5. Be able to demonstrate three ways to purify water.

- 6. Complete the following:

From what you have learned about worms. Why is the availability of fresh water so important to human health, especially in third world countries?

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Organize a fund raise to support organizations that strive to provide fresh water to third world countries.

- 8. Describe a spiritual lesson about living water from the Bible.

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