

# 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.
6. What do “free living” and “parasitic” mean?
7. Which phyla, mentioned in question 5, are free living or parasitic?
8. Answer the following questions about earthworms.
  - a. Where do they live?
  - b. What do they eat?
  - c. How are they helpful to humans?
  - d. How short and how long do they get?
  - e. How many are there in one square meter of soil?
  - f. How many species are there?
  - g. What is the clitellum?
9. Find an earthworm outside and do the following:
  - a. Be able to distinguish the following parts: Head end, Tail end, and clitellum.
  - b. Observe, and describe how it moves.
  - c. How long does it take your worm to move one foot?
  - d. Race your earthworms!
10. Answer the following questions about leeches.
  - a. Where do they live?
  - b. What do they eat?
  - c. How are they harmful to humans?
  - d. How are they helpful to humans?
11. Find a verse in the bible where worms are mentioned and demonstrate the story (through music, poem or drama)

## Skill Level 1

### References:

[Http://www.asonline.net.au/factsheets/earthworms.htm](http://www.asonline.net.au/factsheets/earthworms.htm)

<http://yucky.kids.discovery.com/flash/worms>

[dictionary.com](http://dictionary.com)

[google.com](http://google.com)

[answers.com](http://answers.com)

[biblegateway.com](http://biblegateway.com)

Any standard high school or college biology textbook would contain this information.

## **Worms, Advanced**

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1. What are the 3 major classes of platyhelminthes and describe them.
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?
4. Answer the following:
  - a. Distinguish between the following body structures: coelomates, pseudocoelomates, and acoelomates
  - b. Which body structures are common in the three phyla of worms?
5. Be able to demonstrate three ways to purify water.
6. Complete the following:
  - a. From what you have learned about worms. Why is the availability of fresh water so important to human health, especially in third world countries?
  - b. Organize a fund raise to support organizations that strive to provide freshwater to third world counties.
8. Describe a spiritual lesson about living water from the Bible.

### **Skill level: 2**

#### **References:**

<http://www.worldwater.org/vision.php>

<http://adra.org/>

<http://www.mcwdn.org/Animals/Earthworms.html>

<http://www.waterconserve.ingo/articles/reader.asp?linkid=14776>

[biblegateway.com](http://biblegateway.com)

[google.com](http://google.com)