



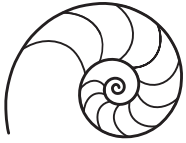
Shape of Life

Name \_\_\_\_\_ Date \_\_\_\_\_ Period \_\_\_\_\_

## Phylum Arthropoda (Terrestrial) – Questions

Video Title: *Terrestrial Arthropods: The Conquerors Video* 13:41 minutes

1. Which of the eight phyla was the first to leave the ocean and come onto land?
2. What features of the arthropod body plan allowed them to invade land?
3. What role might algal mats have played in the land invasion?
4. What is special about arthropod appendages?
5. What did the first arthropods on land eat?
6. See how many different uses of arthropod appendages you can list.
7. What arthropod structures are used to extract oxygen from air?
8. What two major habitats of Earth were arthropods the first animals to explore?



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Phylum Arthropoda (Terrestrial) – Questions page 2

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

Exoskeleton

Appendage

Molting

Terrestrial

Detritus

### Supplementary questions:

1. Why is the insect body plan so successful?

