



Shape of Life

Name _____ Date _____ Period _____

Phylum Arthropoda – Questions

Video Title: *Marine Arthropods: A Successful Design Video* 9:28 minutes

1. What were the first animals to come to the land?
2. What are three advantages to having jointed legs?
3. What do Arthropods use to sense their environments?
4. Which group of marine animals has more members than any other ocean group?
5. How did the Arthropod exoskeleton help them dominate the ocean?
6. Briefly describe how a crab molts.
7. About how long does it take the new Arthropod shell to completely harden?
8. How did the Arthropod succeed in the arms race?
9. Name one Arthropod that has thrived in cold marine waters?
10. Describe the crabs living in the hydrothermal vents.



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11. Define these vocabulary words in your own words.

Exoskeleton:

Jointed Appendages:

Marine:

Segmentation:

Krill:

Hydrothermal Vent:

Supplemental Questions

1. Name two ways in which Marine Arthropods get food.
2. Name three animal behaviors that you observed in this Arthropod episode.
3. List three different uses of arthropod appendages.
4. Name two advantages and two disadvantages of having an internal skeleton like ours as opposed to an external skeleton that is shed in order to grow.