

The Arthropod Story: Special Assignment - Exploring Success

Arthropods illustrate incredible diversity, longevity, and astonishing adaptive success. At the same time, their evolutionary history has been constrained by the characteristics they have inherited. Your assignment is to apply what you have learned about arthropods and the nature of their success to another group of organisms of your choice.

Select one of the groups listed below and then complete a research project using appropriate science resources on the Internet and in your library. Your project should cover all of the questions listed below.

Groups of Organisms:

Dinosaurs, Humans, Bacteria, Mosses, Mammals, Echinoderms, Birds

Questions to answer:

1. What are (*your selected group*)? or What are the traits of (*your selected group*) that make it unique?
2. Why do all (*your selected group*) share unique traits?
3. What features of (*your selected group*) provide unique opportunities for success?
4. What features of (*your selected group*) provide evolutionary constraints?
5. Are (*your selected group*) successful?