





## Disadvantages of an exoskeleton

Must shed exoskeleton for large increases in size

Process is known as molting animal is very vulnerable during molting All arthropods molt





















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populations of pollinators have been declining for many years wild bees declining for 20+ years

climate change habitat destruction/change insecticides introduced species



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How many species of insects are there in Kansas or on Konza Prairie?

I have no idea.

Checklists or smaller works



on different insect groups: Orthoptera, Hemiptera, Coleoptera, Lepidoptera

~60 species of butterflies ~500 species of Noctuoidea ~38 species of grasshopper

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There are more species of insects than any other animal.

There are a number of reasons insects have been so successful in terms of number of species and time on the planet.



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Insects perceive many sensations and stimuli that we do not.

Insects have many roles in ecosystems, including many that are not found in vertebrates.





