

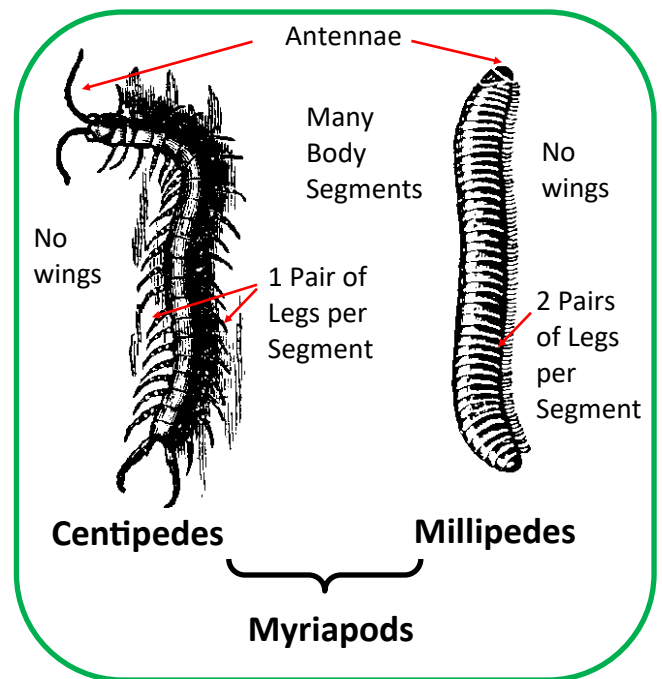
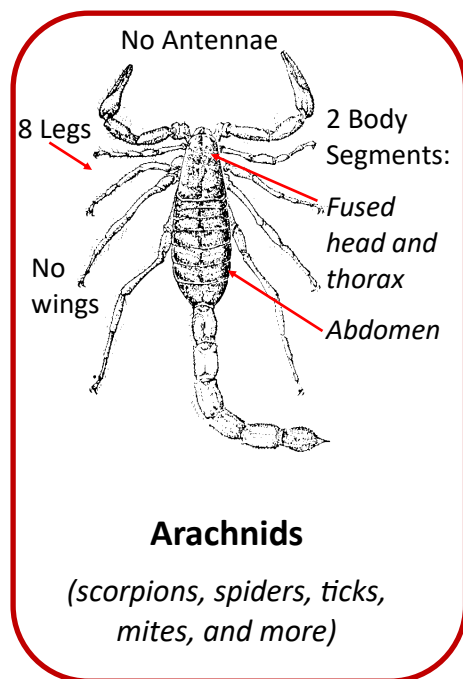
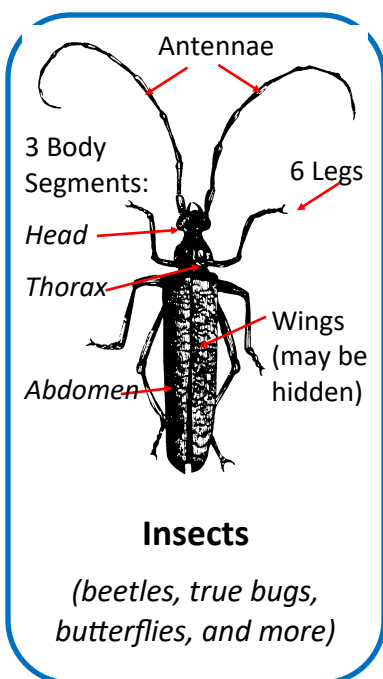
## Brownies' Bugs Naturalist Badge

Welcome Brownies! On your bug field trip, use this Desert Museum guide to complete steps to earn your Bugs Naturalist Badge. Explore bugs in action, see bug homes, and meet different bugs that you could show in a poster or create as a craft. Use this map's red stars and a grounds map from the front entrance to find your stops. Start your adventure at the Reptile and Invertebrate Hall! **2**



### What Kind of Bug?

The Sonoran Desert is full of interesting insects, spiders, and other creepy crawlies. People often call these animals bugs, but a better word is **Arthropods**. Arthropods all have jointed legs, skeletons on the outside (exoskeletons), and bodies built of parts called segments. There are five groups of Arthropods, sorted by if they have wings and/or antennae, the number of legs, and number of body segments. Look for these groups of arthropods in the exhibit.



## Bugs in Action and Bug Homes

We have many places around the grounds where you can see bugs in action or bug homes. As you explore, fill in the chart below with your observations.

### Pollination Gardens **5**



Watch for butterflies and bees visiting flowers. As they drink flower nectar, these insects pollinate the flowers and help them make seeds to grow a new generation of plants. Visit the bee garden to see how some native bees build their nests in holes in wood.



### Hummingbird Aviary **12**

Look for funnel web spiders in their homes among the plants. Did you know that hummingbirds weave their nests together with spider silk?



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### Cactus Garden **2**

Look closely at a barrel cactus. Can you see tiny ants crawling around on it? Barrel cacti release sugary liquid from pores in their skin. These sugary pit stops attract ant bodyguards who protect the cactus from caterpillars, beetles, and other invaders who might harm it.



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### Desert Garden **4**

Look for water bugs in the small ponds and fountains here. How do they swim? How do they breathe?



### Three Bugs I Watched

Draw or name the bug.	What was it doing?	Why do I think it was doing this?

### An Arthropod's Important Job

Choose one of the arthropods that you saw at the museum today. Talk to a docent, read signs, or investigate online with the help of an adult to answer this question:

Why is this animal important in the environment? \_\_\_\_\_

Congratulations! You have all almost all the steps you need to earn your badge. Use what you learned today to make a poster, craft a bug, and share what you have learned with others!