**Arachnid Notes**

They include:

Like all arthropods, arachnids have an \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, jointed limbs, and \_\_\_\_\_\_\_\_\_\_\_\_\_ bodies. But the bodies of arachnids have some characteristics that distinguish them from other arthropods.

Arachnids have:

\_\_\_\_\_\_\_\_ pairs of legs

\_\_\_\_\_body segments (\_\_\_\_\_\_\_\_\_ is on the thorax)

No \_\_\_\_\_\_\_\_\_\_\_\_\_\_

Some arachnids, including ticks and most mites, are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. Other arachnids, such as spiders and scorpions, are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. Predatory arachnids kill their prey by \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ them, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ them, or injecting them with \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

Four signs of arachnid bites:

* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Spiders are the largest group of arachnids. Many spiders have a unique adaptation for capturing their prey. They produce an extremely strong material, called \_\_\_\_\_\_\_\_\_\_\_, inside their bodies and use the silk to make \_\_\_\_\_\_\_\_\_\_ for capturing food. The spider spins strands of silk out from tubes called \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ at the rear of its abdomen. It weaves the strands into a nearly invisible web. The web serves as a net for catching insects and other small organism that the spider eats. This adaptation allows web-building spiders to wait for their prey to come to them. Other invertebrates, such as silkworms, produce silk, but they do not weave webs.

Both centipedes and millipedes have long, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ bodies and many \_\_\_\_\_\_\_\_\_\_\_\_\_\_. However, animals from these groups differ in their body features and their behavior.

Millipedes are:

* \_\_\_\_\_\_\_\_\_\_\_ pairs of walking legs on each body \_\_\_\_\_\_\_\_\_\_\_\_\_
* move slowly
* eat decaying leaves and plant matter
* when disturbed, many millipedes emit a foul \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ that is harmful to predators

Centipedes are:

* \_\_\_\_\_\_\_\_\_\_\_\_\_ movers
* \_\_\_\_\_\_\_\_\_\_\_ pair of walking legs per body segment
* antennae
* \_\_\_\_\_\_\_\_\_\_\_ mouth parts
* pinchers on their rears to \_\_\_\_\_\_\_\_\_\_\_ prey and protect them from predators