



# SPIDERS



1. List four ways that spiders differ from insects.

- \_\_\_\_\_  
\_\_\_\_\_
- \_\_\_\_\_  
\_\_\_\_\_
- \_\_\_\_\_  
\_\_\_\_\_
- \_\_\_\_\_  
\_\_\_\_\_

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2. List the two main parts of a spider's body and describe each.

- Part: \_\_\_\_\_  
Description: \_\_\_\_\_  
\_\_\_\_\_
- Part: \_\_\_\_\_  
Description: \_\_\_\_\_  
\_\_\_\_\_

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3. Describe the three major mouth parts of a spider and explain how a spider eats.

- Part: \_\_\_\_\_  
Description: \_\_\_\_\_  
\_\_\_\_\_
- Part: \_\_\_\_\_  
Description: \_\_\_\_\_  
\_\_\_\_\_
- Part: \_\_\_\_\_  
Description: \_\_\_\_\_  
\_\_\_\_\_
- How it eats: \_\_\_\_\_  
\_\_\_\_\_

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4. Do all spiders produce venom? What is venom used for? \_\_\_\_\_

- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

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5. Describe a spider's eyes and their arrangement.

- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

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6. What part of the spider's body produces silk?

\_\_\_\_\_

- Where are the silk producing parts located?

\_\_\_\_\_

- What is silk made of? \_\_\_\_\_

\_\_\_\_\_

- What types of silk does a spider make? \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

- What are silks used for? \_\_\_\_\_

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7. Do all spiders make webs? What use are webs and what types are there? \_\_\_\_\_

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8. How do spiders reproduce? What is their life span?

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9. List six spiders found in your geographic area. Include the common name and as complete a scientific name as possible.

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\_\_\_\_\_

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\_\_\_\_\_

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10. Of the six specimens listed in question #9, are any considered to be dangerous to humans, that is, can either their venom or bite make it necessary to seek medical attention? \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

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11. A daddy-longlegs (also known as a harvestman) looks a lot like a spider but it is not; how does it differ from a true spider and how is it similar?

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1. Write a report on the relationship of spiders and humans. Discuss the positive and negative aspects of this relationship. Discuss why this relationship has any negative aspects in the first place.

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2. Do at least two of the following.
  - a. Make a poster showing the internal anatomy of a spider and labeling the parts. This should be your own hand drawn picture and not a print that you have downloaded or scanned electronically.
  - b. Write a report on a species common to your geographic area. This should be on an actual live specimen that you have observed. Include the common and scientific name. Your report should include the following: physical description (size, body shape, coloration, and markings), preferred food or prey, type of web it constructs, characteristic behavior, habitat, geographic range, life cycle, and life span.
  - c. Make a scrapbook of newspaper or magazine articles, brochures, or pamphlets provided by pest control companies, agricultural supply or hardware stores, university extension offices,

etc. that deal with the subject of spiders in your area. Optionally, you may create an electronic version if your counselor approves and you have some means of displaying it to him.

- d. Make a scrapbook of photos and articles that deals with any spiders in your area that are considered “significantly venomous.” In other words, their bite usually requires medical treatment. Share this report with your cadre. Your report should include at least two photos of each type found in your area and have information on how to identify these species, where they usually can be found (and avoided), and how the venom affects the victim. If you have the means to display an electronic file to your cadre, you may create an electronic “scrapbook” version instead of a hard copy, but be sure your display medium is large enough that everyone in your cadre can view it easily.

PROJECT LOG		
Project	Date	Passed by
#1 _____	_____	_____
#2 _____	_____	_____

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