



A LOOK AT ...

Insects and Spiders

Discover fascinating facts about all kinds of creepy crawly creatures, from butterflies disguised as dead leaves to spiders that cast nets to catch prey. *Insects and Spiders* examines the behavior, adaptations, and life cycles of Earth's largest and most diverse groups of animals.

What did you learn?

QUESTIONS

1. An ant can lift an object ...
 - a. 10 times its weight
 - b. 15 times its weight
 - c. 20 times its weight
 - d. 25 times its weight
2. The largest group of insects are ...
 - a. Ants
 - b. Bees
 - c. Beetles
 - d. Grasshoppers
3. The two main parts of a spider's body are ...
 - a. Thorax and head
 - b. Head and abdomen
 - c. Thorax and abdomen
 - d. Head and antennae
4. Jumping spiders can jump ...
 - a. 10 times the length of their bodies
 - b. 20 times the length of their bodies
 - c. 30 times the length of their bodies
 - d. 40 times the length of their bodies
5. What is a *spinneret*?
6. What is a *proboscis*?

TRUE OR FALSE?

- | | |
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| _____ 1. Insects have six legs. | _____ 4. Spiders have live birth. |
| _____ 2. Spiders spin silk with an organ called a spinneret. | _____ 5. Honey bees can see colors. |
| _____ 3. Spiders have ten legs. | _____ 6. Scientists learn more about nervous system diseases by studying spider venom. |

ANSWERS

- 1. a. 10 times its weight.** According to section "Astonishing Ants" on page 9, we know that "An ant can lift an object 10 times as heavy as itself." So, the correct answer is A.
- 2. c. Beetles.** According to section "Meet the Beetles" on page 14, we know that "Beetles make up the largest group of insects." So, the correct answer is C.
- 3. b. Head and abdomen.** According to section "Spiders" on page 48, we know that "A spider's body has two main parts—the head and abdomen." So, the correct answer is B.
- 4. d. 40 times the length of their bodies.** According to section "Skilled Hunters" on page 52, we know that "These spiders have short legs, but they can jump more than 40 times the length of their bodies!" So, the correct answer is D.
- 5.** According to page 62, a *spinneret* is a spider's silk-making organ.
- 6.** According to page 62, a *proboscis* is the tubelike mouthparts of some insects developed to great length for piercing or sucking.

TRUE OR FALSE? ANSWERS

- 1. True.** According to section "Introducing Insects and Spiders" on page 4, we know that "An insect is a small animal with six legs." So, the correct answer is True.
- 2. True.** According to section "Amazing Silk Spinners" on page 50, we know that "Spiders spin silk with short, fingerlike organs called spinnerets." So, the correct answer is True.
- 3. False.** According to section "Introducing Insects and Spiders" on page 4, we know that "A spider has eight legs, not six." So, the correct answer is False.
- 4. False.** According to section "The Spider Life Cycle" on page 54, we know that "Female spiders lay eggs." So, the correct answer is False.
- 5. True.** According to section "Bees are Busy" on page 13, we know that "Honey bees can see colors and patterns." So, the correct answer is True.
- 6. True.** According to section "Spiders and People" on page 56, we know that "Spider venom can affect the human nervous system in many ways, and scientists have learned much about the nervous system by studying the effects of spider venom." So, the correct answer is True.