Name _____

Date _____

Lesson Quick Study

Lesson 3 - What are Invertebrates?

1. **Inquiry Skill Practice–Draw Conclusions**

Use what you have learned to draw conclusions about the animals listed below. Circle the animals that are *invertebrates*. How do you know?

(bee) parrot (spider) (octopus) monkey

Possible answer: The parrot is a bird, and the monkey is a mammal. Birds and mammals have backbones. They are vertebrates. The bee, the spider, and the octopus do not have backbones, so they are invertebrates.

2. **Use Vocabulary**

Write a sentence that uses the word *invertebrate* correctly.

Answers will vary but should reflect the correct use of *invertebrate*.

3. Focus Skill **Reading Skill Practice–Compare and Contrast**

Read the selection. Compare and contrast the dolphin and the squid.

Dolphins and squids live in the ocean. Both are fast swimmers and both eat fish. Dolphins come to the surface to breathe oxygen. Squids take in oxygen from the water. Dolphins give birth to live young and produce their own milk to feed their young. Squids lay eggs. Dolphins are vertebrates. Squids are invertebrates.

Possible answers: Alike: Dolphins and squids live in the ocean. They are fast swimmers and eat fish. Both need oxygen to breathe. Different: Dolphins are vertebrates. They give birth to live young and produce milk. Squids are invertebrates. They lay eggs.

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4. Focus Skill Compare and Contrast

Use this space to complete the graphic organizer shown in the Lesson Review of the Student Edition.

Invertebrates	Traits
Insects	A three body parts, six legs
Spiders and Ticks	B two body parts, eight legs
Snails, Clams, Squids	C soft body, usually a head, sometimes a foot, sometimes a shell or tentacles

5. Critical Thinking and Problem Solving

Suppose you are writing an article for the science club about the different groups of animals that live around us. What would you say about each group of animals to describe them to the people who are going to read your article?

Possible answer: Write about vertebrates—animals that have a backbone, and invertebrates—animals that do not have a backbone. In the vertebrate group, write about mammals, birds, reptiles, amphibians, and fish, telling a little about what makes each group different. In the invertebrate group, write about insects and other animals, such as spiders,snails, worms, and squids, telling a little about what makes each group different.

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