

## CHAPTER

28

## SCIENCE SKILLS: ANALYZING INFORMATION/RECOGNIZING PATTERNS

## Introduction to Animals

Although animals have many features in common, there are also differences between specific groups of animals. The table below lists several features of six different animals. The table identifies similarities among some of the animals. Use the table to answer questions 1–6.

	Skeleton type	Mobility	Symmetry	Internal body plan	Segmentation
Eagle	Endoskeleton	Walk, fly	Bilateral	Coelomate	Present
Whale	Endoskeleton	Swim	Bilateral	Coelomate	Present
Goldfish	Endoskeleton	Swim	Bilateral	Coelomate	Present
Grasshopper	Exoskeleton	Walk, fly	Bilateral	Coelomate	Present
Sponge	Spicules, spongin	Sessile	Asymmetrical	Lack true tissues	Not present
Hydra	Hydrostatic skeleton	Glide, tumble	Radial	Gastrovascular cavity	Not present

Read each question, and write your answer in the space provided.

1. Which animals are not segmented?

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2. What other category(ies) are the animals you listed in question 1 not represented in?

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3. Does the table indicate a relationship between segmentation and skeleton type? Explain.

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4. Does the table indicate a relationship between symmetry and skeleton type? Explain.

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5. What type of body symmetry do sponges and hydras have?

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6. What conclusion can you draw about the relationship between internal body plan and segmentation?

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