
26-1 SECTION REVIEW

1. What is an animal? Why is it important to study animals?
2. List seven essential functions in animals. Define these functions in your own words.
3. Compare two different kinds of symmetry found in the animal kingdom.
4. Describe three basic trends in animal evolution.
5. **Critical Thinking—Applying Concepts** Why are specialized cells necessary in multicellular animals?

26-2 SECTION REVIEW

1. How do sponges differ from other animals? How do they feed, respire, and eliminate wastes?
2. How are sponges proving useful to medical science?
3. **Critical Thinking—Assessing Concepts** Why are sponges thought to be an evolutionary dead end?

26-3 SECTION REVIEW

1. What is a cnidarian? What kind of symmetry do cnidarians have?
2. Give an example of each class of cnidarians.
3. Describe the life cycle of a typical cnidarian.
4. Discuss symbiotic relationships and other interactions between cnidarians and other living things.
5. **Critical Thinking—Making Inferences** A medusa usually has specialized sense organs. It may also have nerves that are organized into rings that encircle its body and structures that control body contractions. Explain why a medusa needs a more complex nervous system than a polyp. (*Hint:* How does the lifestyle of a medusa differ from that of a polyp?)