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## 29-1 SECTION REVIEW

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1. What is a phylogenetic tree? *- diagram p. 707*
2. What are the two main branches of the animal kingdom's evolutionary tree? On which branch do humans belong?
3. How do the names protostome and deuterostome relate to the differences in the development of animal embryos?
4. Compare acoelomate, pseudocoelomate, and coelomate animals.
5. **Critical Thinking—Relating Cause and Effect** Explain why the specialization of internal organs in coelomates is much greater than that in pseudocoelomates.

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## 29-2 SECTION REVIEW

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1. Name and describe the three main types of skeletal systems found in the animal kingdom.
2. Describe how the digestive system evolves as animals become more complex.
3. Compare internal transport in echinoderms, arthropods, and chordates.
4. Compare asexual and sexual reproduction. What are their advantages? Disadvantages?
5. Discuss three evolutionary trends in the development of the nervous system.
6. **Critical Thinking—Applying Concepts** What are the three forms of nitrogenous wastes excreted by animals? How is the waste related to the animal's environment?