

3. Answers will vary. Students should understand that the worm's segmented body form is well-adapted to its environment and life cycle, and that adding a backbone might actually inhibit movement.

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1. Answers will vary. Students should understand that segmentation helps an earthworm to burrow and move.
2. Segmented body parts can become more specialized and complex, and damage to one section might not mean destruction of the entire organism.

1. Most earthworms live underground much of the time. What benefit do you think a segmented body form provides in the soil?
2. The different sections of an earthworm's body perform different functions. How does segmentation help the earthworm survive?
3. Earthworms are invertebrates. Do you think that adding a backbone would be an advantage to the animals? Explain your answer.