Structured Inquiry

Engage

Characteristics of Invertebrates

How do vertebrates and invertebrates move differently?

Procedure

1. Go outside and find a location where you can observe various vertebrates and invertebrates.

2. **Observe** at least three vertebrates and three invertebrates. Use the index cards to create a data card for each animal you observe.

3. **Record** the name of each animal, whether it is a vertebrate or an invertebrate, and how it moves.

Observations

Compare the movements of the animals. Do they walk, crawl, fly, jump, swim, scurry, or slither? Are they fast or slow? What adaptations do they have that help them move? What do they use to move? Can they stand or walk upright?

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Create Explanations

1. How do vertebrates and invertebrates move differently?

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2. What body parts did the animals use to move?

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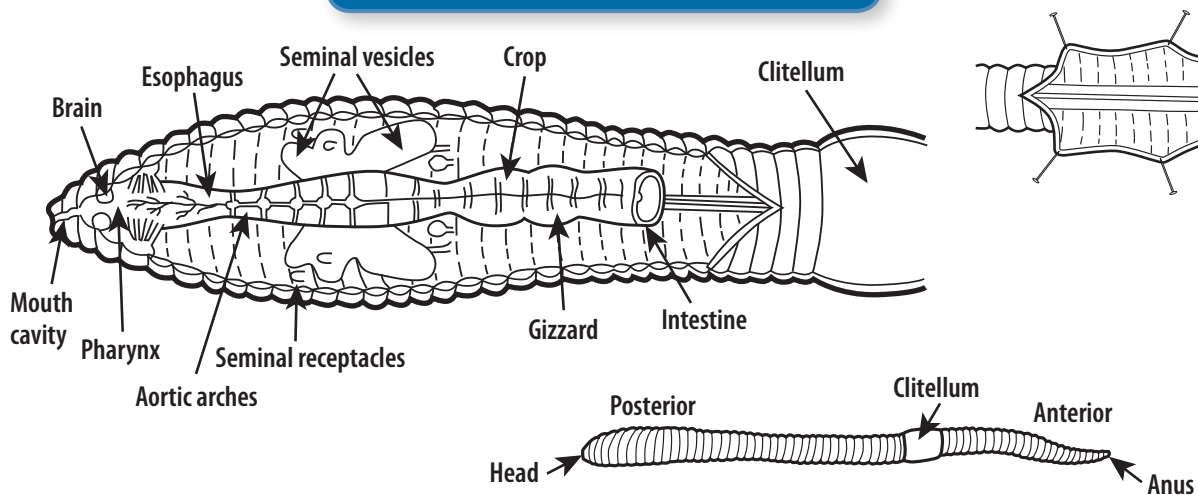
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Dissect an Earthworm

What are the structures of an earthworm?

Predict what body parts an earthworm will use to move.

My Predictions

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My Observations

Structures of the Earthworm

Living Earthworm	Preserved Earthworm
Mass:	Mass:
Length:	Length:
Number of segments:	Number of segments:

Living Earthworm

Preserved Earthworm

Analyze Results

Compare the data you found for the living and preserved earthworms.

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Create Explanations

1. What are the structures of an earthworm?

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2. Based on your observations, explain how an earthworm moves.

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3. Determine the phylum of the earthworm.

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Parts of Invertebrates

What are the internal and external structures present?

Predict how the body structures of invertebrates are similar.

My Predictions

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My Procedure
Describe how you will test your prediction.

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My Observations

Write or draw your observations.

Was your prediction supported by your observations? Explain.

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Create Explanations

What did you learn?

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