

Collecting Environmental DNA

Selected Reading

Directions: Read the first section (8 paragraphs) of the article linked below to answer the following questions.

Environmental DNA Is Everywhere. Scientists Are Gathering It All.

The ability to extract trace bits of DNA from soil, water, and even air is revolutionizing science. Are there pitfalls?

Visual: Undark + DALL-E

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02.12.2024

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Undark Magazine / Feb 17

In the second paragraph, the author refers to a question that “**remains one of the most fundamental questions in biology.**” What is that question? Why is it relevant to different fields of biology, such as epidemiology, ecology, and crime scene forensics?

In paragraph 7, the author writes, “**Instead of setting up a camera to see who crosses the beach at night, eDNA pulls information out of footprints in the sand.**” Why is eDNA so readily available?

Is eDNA foolproof? Provide evidence from the passage to support your answer.



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Directions:

1. Read the section of the article you were assigned.
2. Working collaboratively, identify 3 key points from your section.
3. Use the graphic organizer to structure and support your key points.
4. Create a slide in a collaborative presentation summarizing your section.
5. Select a group representative to present the slide to the class.

Key Point 1:

Supporting details, illustrative example, and/or quote from the text:

Key Point 2:

Supporting details, illustrative example, and/or quote from the text:

Key Point 3:

Supporting details, illustrative example, and/or quote from the text: