

Me and My Shadow

Two friends were looking at their shadows early one morning. They wondered what their shadows would look like by the end of the day. This is what they said:



Lily: “My shadow will stay the same from morning to the end of the day.”

Jasmine: “My shadow will keep getting shorter until noon, and then it will start getting longer.”

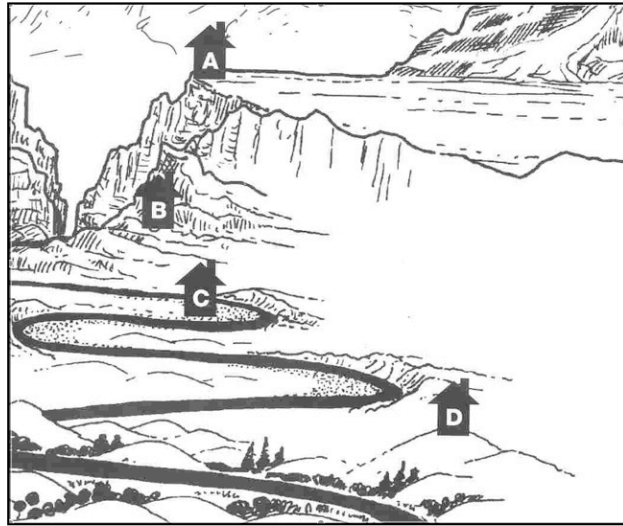
Write a paper that identifies which student is correct. Use evidence to support your ideas and explain your reasoning.

As you write your assignment, it’s important to use what you know as a writer to communicate your ideas effectively.

- Organize your paper with a clear claim, supporting evidence, and reasoning that shows how your evidence supports your claim.
- Include evidence from class activities, experiments and other resources.
- Use vocabulary that you have learned in science class.
- Consider using a web or graphic organizer to help you plan your writing.
- Correct grammar, punctuation, and spelling errors before you write your final paper.

Where should we build?

Imagine that you are a geologist and you have been asked to decide the safest location to build a new house. Using what you have learned from your work with the stream tables in class, choose which location – A, B, C, or D – is the safest place to build a new home. Use evidence to support your ideas and explain your reasoning.

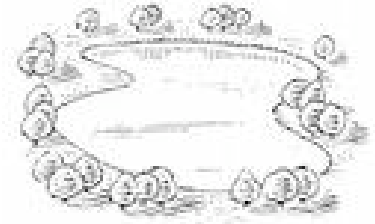


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A green pond?

Antonio and Nick were walking near Chandler Pond and noticed that the water was very green. Antonio thought that the green color was caused by algae growing out of control because of fertilizer that may have come from homes nearby. Nick thought that the pond was green because there was too much acid rain in the city and it made the algae grow too fast.



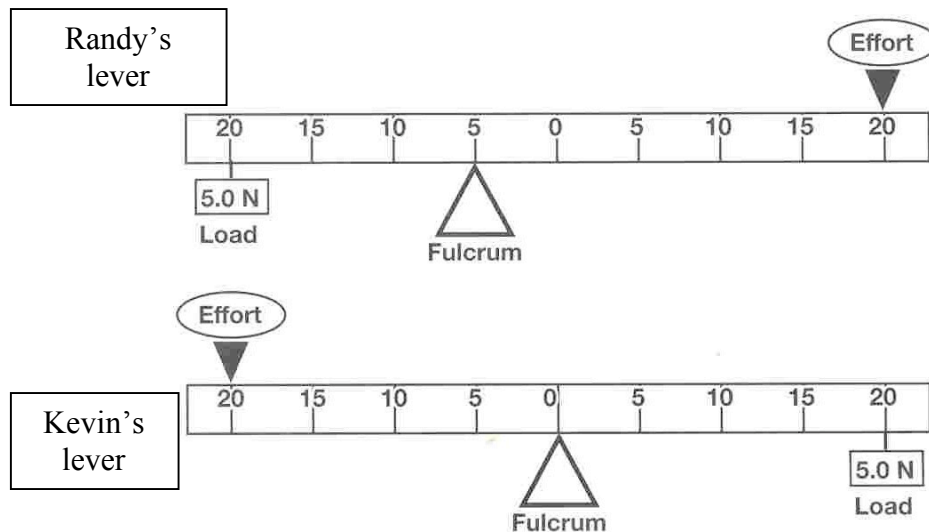
Write a paper that identifies which student best explains why there is an algae bloom in Chandler Pond. Use evidence to support your ideas and explain your reasoning.

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A Balancing Act

Randy and Kevin were trying to set up levers in different ways. They each set up a lever system. Both lever systems had a load hanging at the 20 cm position on one side, and the effort pressing at the 20 cm position on the other side.



Randy said, “Our levers are the same. They will both take the same amount of effort to lift the load.”

Kevin said, “I don’t think so. One of these systems will require less effort to lift the load.”

Write a paper that identifies which student is correct. Use evidence to support your ideas and explain your reasoning.

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