Name: _____   **Class:** _____

The Lacrosse Stick

GRADES 6-8

1. What were some constraints of the ÿrst lacrosse stick? Why do you think participants felt they needed to make a change?

2. How has the structure of the lacrosse shaft and head changed over time? What drove this change?

3. How have the materials of the lacrosse shaft and head changed over time? How do you think the use of natural materials versus synthetic materials impacted play?

4. What was the purpose of this article? Provide evidence from the text to support your claim.

5. Do you think there will be future changes to the game of lacrosse? If so, what changes do you foresee being made and why?

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The Lacrosse Stick
GRADES 6-8

Using the article and classroom discussion, complete the following criteria and constraint table.

Criteria	Constraints

Using the rating system of 1 - 5 (1 = Best; 5 = Worst), have students rate which ball was easiest to release, catch, and control with the lacrosse stick and explain why.

Ball Type	Rate: 1 -5	Reason for rating
Golf Ball		
Ping Pong ball		
Tennis Ball		
Lacrosse Ball		

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The Lacrosse Stick

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Based on evidence from the article and your experiment, write a claim and support it with evidence and reasoning, explaining how and why the lacrosse stick controls, releases, and catches each ball type diˉerently.

Claim: How did the evolution of the lacrosse stick - shaft and head - become a design that handles and controls each ball type eˉectively?

Evidence: Record and reference in words any data that supports your claim.

Reasoning: Explain why your claim is supported by evidence and scientiÿc ideas. Use the ideas in your experiment and understanding of engineering an object for a speciÿc function.

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