

NAME _____
 DATE _____ HOUR _____

BIOLOGY

TREE ESSAY

Please staple this sheet to the front of your essay.

Purpose:

Explain the growth pattern of the three trees in front of Lincoln High School. Relate it to what you learned about the effect of light intensity on the rate of photosynthesis in the Photosynthesis Virtual Computer Lab. Use complete sentences.

INCLUDE THE FOLLOWING INFORMATION:	Points/ section:
<p>1st paragraph: Describe the growth pattern of the three trees. Describe the relationship between light intensity and ATP production. How does the amount of ATP affect plant growth?</p> <p>→ Use complete sentences and proper paragraph structure (topic sentence, supporting statements, etc.).</p>	<p>____/3</p> <p>____/1</p>
<p>2nd paragraph: Discuss the building configuration, time of day sunlight is most intense, amount of shading, etc., to help explain the trees' growth pattern.</p> <p>→ Use complete sentences and proper paragraph structure (topic sentence, supporting statements, etc.).</p>	<p>____/3</p> <p>____/1</p>
<p>3rd paragraph: Hypothesize and explain how big the eastern-most tree (the 4th tree that is now missing) would have been if it hadn't been bulldozed during construction of the language wing. It would have been the closest to the language wing.</p> <p>→ Use complete sentences and proper paragraph structure (topic sentence, supporting statements, etc.).</p>	<p>____/3</p> <p>____/1</p>
<p>Include a labeled diagram showing tree locations, building configurations, sun position, and any other pertinent information that will <i>help describe the trees' pattern of growth.</i></p>	<p>____/3</p>
TOTAL POINTS:	/15

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