# Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Block \_\_\_\_\_ Date \_\_\_\_\_

# Assignment Sheet Biology

Enzymes, and Genetically Modified Foods.

Coginchaug Regional High School 2014

***Expected Performances:***

* *Explore and explain the role of proteins as chemical catalysts (enzymes), including the effect of temperature and pH on the rate of enzymatic reactions*.
* *Describe, in general terms, how the genetic information of organisms can be altered to make them produce new materials.*
* *Explain the risks and benefits of altering the genetic composition and cell products of existing organisms.*
* *Design and conduct appropriate types of scientific investigations, identify independent and dependent variables, including those that are kept constant and those used as controls, use appropriate tools and techniques to make observations and gather data, assess the reliability of the data that was generated in the investigation, use mathematical operations to analyze and interpret data, and present relationships between variables in appropriate forms, articulate conclusions and explanations based on research data, and assess results based on the design of the investigation, and communicate about science in different formats, using relevant science vocabulary, supporting evidence and clear logic.*

***Due Date (B day or A day)***

\_\_\_ Reread p. 49 – 53. Oct. 23 or 24

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\_\_\_ Background information about enzymes

from www.iconn.org Oct. 27 or 28

\_\_\_ Table and graph from the Apple Juice Enzme Lab Oct. 29 and 30

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\_\_\_ Read p. 318-333.

\_\_\_ Complete Guided Reading packets 13-2 and 13-3. Oct. 31 and Nov. 3

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\_\_\_ Lab Report on Enzymes

\_\_\_ Guided reading Packet 13-4 (in class) Nov. 6 and 7

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Study for QUIZ on enzymes and gmos **QUIZ** Nov. 7 or 10

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\_\_\_ Reread p. 330 Consult 3-4 sources from [www.iconn.org](http://www.iconn.org) and write a persuasive essay convincing your audience why genetically modified foods should or should not be labeled in the United States. Nov. 12 or 13

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\_\_\_ Practice questions can be found on p. 337, 338, 339, 57, 58, 59

\_\_\_ Prepare notebook for inspection

\_\_\_ Study for TEST **TEST**  Nov. 14 or 17

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Notebook grade \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_