**Assignment Sheet Evolution and Taxonomy A Chapters 15, 16, 17, 18 Miller and Levine *Biology* Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Block \_\_\_\_\_ Date \_\_\_\_\_2015**

***C****ontent Standards:****10.5 Evolution and biodiversity are the result of genetic changes that occur over time in constantly changing environments.*** *Mutations and recombinations of genes create genetic variability in populations. Changes in the environment may result in the selection of organisms that are better able to survive and reproduce.* **Expected Performances:**

*D40. Explain how the processes of genetic mutation and natural selection are related to the evolution of species. D41. Explain how the current theory of evolution provides a scientific explanation for fossil records of ancient life forms. D42. Describe how structural and behavioral adaptations increase the chances for organisms to survive in their environments.*

*Explain how living things are organized for study.*

*Describe binomial nomenclature.*

***Assignment: Due date:***\_\_\_ Read ch 15. Apr. 1,2

\_\_\_ Go to:Google. Search: Evolution and Antibiotic ResistanceChoose: Evolution, online lessons for studentsGo to Lesson #6: Why does evolution matter now?

Do Activity #1 Evolution and Antibiotic resistance Video: 7 min. Part A

and #2 . Answer the questions about the video segment.

Apr. 6,7

\_\_ Do p. 389 # 1-10 to discuss with classmates\_\_ Do p. 391 #1-10 to hand in Apr. 8,9

\_\_\_Read p. 392 – 403\_\_\_ Hardy – Weinberg worksheet Apr. 10, 20\_\_\_ Study for quiz Apr. 21,22 **QUIZ**

\_\_\_ Peppered Moth Lab \_\_\_ Read p. 404 -415\_\_\_ Do p. 413 #1-10 to discuss with classmates

\_\_\_ p. 415 #1-10 to hand in Apr. 23, 24 \_\_\_ Read p. 416 – 456

\_\_\_ Do p. 443 # 1 – 10 to discuss with classmates;

\_\_\_\_p. 445 # 1-10 to hand in

\_\_\_ Life’s A Beak April 27, 28 \_\_\_ Study for quiz April 29, 30 **QUIZ**  \_\_\_ Read Ch 18 \_\_\_ Become familiar with Geologic Time Scale and p. 1072 - 1077\_\_\_ Lab on Taxonomy May 1,4\_\_\_ Study for test – \_\_\_ Prepare notebook for inspection May 5, 6  **TEST**  Notebook grade \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_