

GE Natural Science Rubric – BeriBeri assignment

	Blank/incorrect 0	Partial 1	Complete/Thorough 2
#1: State the initial problem		Student just mentions “disease attacking people” OR Student copies or rewords from passage	Should mention “disease attacking people” AND “no solution known”
#2: What was the hypothesis?		n/a	Should mention “disease caused by bacteria”
#3: Describe how the hypothesis was tested.		No mention of control	Should mention “injected” AND “observed” chickens AND should mention a comparison of injected chickens with a control (i.e. chickens not injected)
#4: Should the hypothesis be supported or rejected based on the experiment and why?	Hypothesis supported	Hypothesis rejected, but no explanation provided or incorrect explanation	Hypothesis rejected because control group became ill
#5.A: What should be the new hypothesis to test the origin of BeriBeri?		Polished rice	Thiamine deficiency
#5.B: Describe how you would test it using the scientific method?	No understanding of scientific method	Student provides only a description	Student provides a correct description AND evaluation method