

Name \_\_\_\_\_

Period \_\_\_\_\_

AP Biology

Date \_\_\_\_\_

**QUESTION: AN ENDANGERED SPECIES IN THE STOMACH**

Scientific American, February 2005

1. What is the relationship between genetic variations in *H. pylori* strains and the geography and history of human populations?

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2. What is the relationship between infection with *H. pylori* and cancer in the stomach and esophagus?

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3. *H. pylori* in the stomach may serve a useful role for the host. What diseases are associated with the eradication of *H. pylori*? Explain.

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4. Humans and *H. pylori* may be true symbionts. Describe the process of co-evolution in these two species.

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5. The risks and benefits of *H. pylori* infection may be different for each person. What are the influencing factor? What information would help doctors determine if *H. pylori* should be eliminated or introduced in a patient?

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