**"The Challenge of Antibiotic Resistance"- Questions:**

Please answer on a separate sheet of paper in complete sentences.

1. What are antibodies?  Explain how they harm bacteria.
2. What does it mean when bacteria are resistant to antibiotic?
3. Using scientific names identify some of the types of bacteria that have become or are becoming antibiotic disease.
4. Explain how some bacteria are actually capable of helping our bodies protect against disease.
5. What are “antibiotic susceptible types” of bacteria?
6. When should antibiotics not be prescribed for an infection?
7. What are the two main factors that lead to antibiotic resistance?
8. Explain how antibiotic “resistance genes” prevent antibiotics from doing their job.
9. Which bacterial cells are first affected when a person begins an antibiotic prescription?  Which bacterial cells usually remain unaffected?
10. Do antibiotics attack only harmful bacteria?  Explain your answer.
11. Explain what the author means when he refers to antibiotics as “societal drugs”.
12. Besides the over-prescription of antibiotics, what other actions would be considered misuse?
13. Other than for human medication, where else are antibiotics used?
14. What can the general public do to help reverse the resistance problem?
15. What can physicians do to help reverse the resistance problem?