**Bio 2: VOCABULARY –** *Define the terms in your own words. If there is more than one word per number, define them and tell me how they are related.*

**Bacteria**

1. Prokaryotic / Bacteria / Archaea

2. Obligate anaerobe / Obligate aerobe / Facultative aerobe

3. Bacilli / Spirilla / Cocci

4. Pilli / Conjugation / Endospore / Binary Fission

5. Chromosome / Plasmid / Antibiotic resistance / Mutation

6. Gram Stain / Peptidoglycan

7. Probiotics / Antibiotics

**Virus, Viroid, Prion**

8. Bacteriophage

9. Virus / Viroid / Prion

10. Lytic Infection Method / Lysogenic Infection Method / Prophage

11. Retrovirus / HIV / AIDS / Opportunistic Disease

12. Epidemic / Pandemic / Zoonose

**Immune System**

13. Infectious Disease / Noninfectious Disease (give examples of each)

14. Mucous membranes / Langerhans cells

15. Antigens / Antibody

16. Passive immunity / Active immunity

17. Inflammation / Histamine

18. Memory cells / T-cell / B-cell / Phagocytes / Interferons

19. Allergy / Anaphylaxis

20. Autoimmune Disorders—define and give examples

21. Vaccine / Pathogen

22. Susceptible—give a synonym

23. Vector—define and give examples

24. Fever—give purpose and implications

25. Leukemia—define

**JOURNAL—You must write 1 journal. You may write 2 for extra points.   
 At least 1 GOOD paragraph is required for full credit.**

Option #1: Doctors have observed that many autoimmune diseases are on the rise—more people are suffering from them. How do they relate this problem to the cleanliness of our society?

Option #2: Many parents rush to lower a child’s fever, but now doctors are advising that a fever may actually be a good sign and should not be lowered until or unless it reaches a certain level.

Option #3: How do you feel after learning about how viruses and bacteria operate and how your immune system works to keep you safe? What changes will you make in your lifestyle after? Use specific vocabulary and examples in your response.

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