Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ EID: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Topic #4: Probiotics versus Microbiome Engineering

Pre-discussion questions. Answer briefly. Use only the space provided. Do not exceed one page.

1. To what organ does Rob Knight compare our microbiome? How much does it weigh?
2. How can "microbiome engineering" be accomplished? (Give at least *two* examples of ways)
3. Find one company online offering pre/probiotic or microbiome-related support or therapy. ***Be creative in your search. Not everything has to do with gut health!***  
   Company: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Product: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. What do they claim their product will do?
5. Do they have any evidence/studies to support this claim? What kind? (2-3 sentences)
6. How would you rate this product overall as far as its effect on users/patients? Circle one.  
     
   Possibly harmful Probably no effects Possibly beneficial Proven Beneficial
7. Describe *one* ethical issue related to human microbiome engineering. (2-3 sentences)