

TED Talk Assignment

Watch the TED talk video located at the following link:

http://www.ted.com/talks/bonnie_bassler_on_how_bacteria_communicate.html

It is about 18 minutes long, but I KNOW you will find it absolutely exhilarating! Based on the information in the video, answer the following questions on a piece of **paper**, not on your **iPad**.

1. What is Bioluminescence? Briefly explain how the bacteria responsible for bioluminescence can achieve the production of light.
2. What is the difference between Inter-species and Intra-species communication?
3. How do bacteria cells, and all cells for that matter communicate with each other?
4. How are bacteria “Multi-Lingual”?
5. What does the term “virulent” mean?
6. Briefly explain how this knowledge of cell communication could be used to treat bacterial disease.