

Due Nov 29th at the start of class -- counts as a quiz score.

Read Chapter 28, pages 569-589. The chapter goes into some detail about the different types of bacteria, protists and fungi. I do not expect you to know the specifics of these different groups. Nor do I expect you to know the different diseases or health related problems with these groups. I think it is educational for you to read through them, but I will not test you on them specifically.

1. List the characteristics of a typical bacterial cell. How do prokaryotic cells differ from eukaryotic cells? (1pt)
2. What is binary fission? How does this compare to sexual reproduction? The 2nd part of the question is not specifically discussed, need to think back to our discussion of sexual reproduction. (1 pt)
3. Given that bacteria reproduce asexually how is it possible for a bacterial cell to get genes from another bacterial cell? (1 pt)
4. List four different types of protists (any of the four given). List a couple of characteristics for each of the four. (1pt)
5. What is a lichen? Describe the relationship between the partners involved in the lichen. (1pt)
6. How does the digestion of a fungus compare to an animal? (1pt)
7. Describe the fungal mycelia. How is its shape beneficial for its feeding style (not directly answered in the text – think about it and give an educated hypothesis)? (1pt)
8. How is the fungal spore similar to the spores of mosses and ferns? (1pt)
9. What is chitin? Who else other than fungi have chitin? (1pt)
10. What are yeast? Give some characteristics of yeast. (1pt)

Bonus: What are viruses? How do they differ from bacterial cells or other single cellular organisms? (1pt)