

Pacific Golden Plover Microbe Mission Test Answer Key

1. Because the disease was first diagnosed at an American Legion Conference in Philadelphia.
2. *Legionella pneumophila*.
3. A and B
4. Pontiac Fever
5. 10,000, 10 to the fourth.
6. Rifampin/Erythromycin
7. Contaminated Water.
8. Pneumonia.
9. False.
10. Gram-negative
11. Bacillus
12. Cocci/Staphylococci
13. Staphylococcus/Streptococcus
14. Staphylococcus and Streptococcus. Staphylococcus tends to bunch together in irregularly grape-shaped clusters, while Streptococcus tends to arrange itself into long chains of bacteria.
15. Strep Throat, Boils, Toxic Shock Syndrome, etc...
16. Gram-positive
17.
 - a) About 6.3 microns.
 - b) About 1.3×10^4
18. Light Microscope.
19. Agar.
20. D/F
21. *Euglena*, since it has chloroplasts and a flagella.
22. Yes, it uses its flagella.
23. Prokaryotic.
24. 10-100 microns.
25. False
26. Algae
27. Volvox/Chlorella
28. They are nonmotile, colonial.
29. Estuarine Associated Syndrome, Paralytic Shellfish Poisoning, etc.
30. Kelp
31. Lower Magnification.
32. Nucleus/DNA
33. Cell Membrane
34. Exotoxin; Tetanus, Botulism, etc...
35. Lytic Cycle and Lysogenic Cycle.
36. Cell Division/Cytokinesis
37. Eukaryotes
38. Mitochondria
39. Algae are much larger than photosynthetic bacteria, and they have organelles.
40. Chloroplast, Mitochondria, Centrioles, Nucleus.
41. Peptidoglycan
42. Similar to a prion, but instead of being a corrupted protein molecule, it is a malicious strip of nucleic acid. It attacks only plants.

- 43. B
- 44. The South
- 45. the letter d.
- 46. I
- 47. E
- 48. J (coarse) and K (fine)
- 49. H
- 50. C; 3 objectives