

## CH. 3 - COMMUNITIES & BIOMES

### Section 3.1 Communities pp. 65-69

1. In a square meter of green lawn list all the different types of populations that exist.  
Circle the 2 that outnumber all the other organisms. 4 pts  
Population of:

33
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2. What are limiting factors? 2 pts
3. Using Table 3.1, list 9 examples of limiting factors that could affect an organism's ability to survive in its environment. 4 pts
4. a. Give a complete example of how can factors that limit one population in a community have an indirect effect on another population. 1.5 pts
- b. What would happen to hawks that feed on mice in the above example? .5 pt
5. What is the definition of tolerance? .5 pt
6. Looking at figure 3.2 at what point is there the greatest number of organisms and at what points are they absent of organisms? 1.5 pt
7. What happens at the zone of physiologic stress? .5 pt
8. What is succession? .5 pt
9. What happens at each stage of succession? .5 pt
10. Why are there different organisms at each stage? .5 pt
11. What is primary succession? Where does it take place? 1 pt

12. What is the first species to take hold of land? Give an example. 1 pt

**Minilab 3.1**

13. What 2 species make up lichen? .5 pt

14. What makes up the first stage of soil development? 1 pt

15. What is a climax community? How long can a climax community last? 1 pt

16. What is secondary succession? .5 pt

**Section 3.2 Biomes pp. 65-69**

17. What is a biome? .5 pt

18. What are terrestrial biomes? Aquatic biomes? 1 pt

19. What percent of the earth's surface is covered in water? .5 pt \_\_\_\_\_

20. What makes up saltwater biomes? .5 pt

21. What makes up freshwater biomes? .5 pt

22. What is the photic zone? .5 pt

23. What is the aphotic zone? .5 pt

24. What is an estuary? .5 pt

25. What is salinity? .5 pt \_\_\_\_\_

26. What is the intertidal zone? What is so special about this zone? 1 pt

27. What are plankton? What do they include? 2 pts

28. Why are plankton important? .5 pt

29. What 2 abiotic factors limit the kinds of organisms that can survive in deep lakes? .5 pt

30. What is the difference between a swamp and a marsh? .5 pt

31. What is latitude? What happens as the latitude increases? 1 pt

32. Using figure 3.9 identify the following biomes 1.5 pts

High temps/high precipitation - \_\_\_\_\_

Low temps/low precipitation - \_\_\_\_\_

High temps/low precipitation - \_\_\_\_\_