

1. only eukaryotes have mitochondria \Rightarrow C
2. all cells need ribosomes to make proteins \Rightarrow E
3. only plants have cell wall \Rightarrow A
4. always true \Rightarrow E
5. I forget and don't want to guess, ???
6. made in the balls \Rightarrow E
7. fertilize in oviduct before uterus \Rightarrow A
8. choice means not random \Rightarrow D
9. new nucleotide is mutation \Rightarrow C
10. differential survival is natural selection \Rightarrow E
11. largest and closest to mainland = A
12. far away = C
13. same reasons as 11 \Rightarrow A
14. same reasons as 12 \Rightarrow C
15. slightly basic \Rightarrow C
16. need to cross with recessive \Rightarrow E
17. definition of crossing over \Rightarrow E
18. definition of endotherm \Rightarrow A
19. This is red-pink-white incomplete dominance, D
20. assuming g is recessive, A
21. This is a single nucleotide, B
22. nitrogen fixation makes ammonia, C
23. fruit is for plants, not shroomloys \Rightarrow E
24. definition of ~~mutualism~~ \Rightarrow A (said wrong thing but caught myself)
25. need haploid gametes \Rightarrow B
26. yolk for chickens, endosperm for seeds \Rightarrow A
27. obviously bacteria \Rightarrow D

28. I forget but am guessing [D]

29. definition of greenhouse gas \Rightarrow [B]

[C] 30. father either has Hh or HH ,
so probability $\frac{1}{2}(1 + \frac{1}{2}) = 75\%$, [E]

31. "diuretic", [D]

32. dietary requirements sounds weird, [E]

33. saltier cells means more water \Rightarrow [A]

34. only [D] is accurate

[D] 35. I totally forget, [???

36. trees grow from the ends, not the bottom, [E]

37. alleles involve the same trait, [B]

38. I thought it piled up in mammals

so probably [B] (higher trophic levels = predators)

39. iridium from meteor \Rightarrow [A]

40. early terrestrial environments were amphibians \Rightarrow [A]

41. girls are fine, half the sons get the
bad allele $\Rightarrow 50\% \Rightarrow$ [C]

42. it would be fucked \Rightarrow [C]

43. biggest white area is [B]

44. they got resistant \Rightarrow [E]

45. no treatment \Rightarrow [D]

46. obviously [A]

47. need two copies \Rightarrow [B]

48. one triplet shorter \Rightarrow [E]

49. removed a triplet \Rightarrow [E]

50. longest is $pH=7 \Rightarrow$ [C]

51. changed $pH \Rightarrow$ [D]

52. light has nothing to do with germination, [E]

53. only pH changes \Rightarrow [D]

54. it's attached to muscle \Rightarrow [B]

55. touched = w, transfer = u, muscle = r, [C]

56. as in 55, w + q = [D]

57. y connects to segment I \Rightarrow [B]

58. typically lichens first in bare rock \Rightarrow [B]

59. ~~colonizers~~ "terraform" the space \Rightarrow [D]

60. picture looks like [C]

81. osmosis \Rightarrow [C]

82. half get the recessive seg \Rightarrow [C]

83. fats are hydrophobic \Rightarrow [C]

84. secondary/tertiary are slave to primary \Rightarrow [D]

85. typically glucose (except in keto) \Rightarrow [E]

86. ~~choices~~ 3 choices, 2 each $\Rightarrow 2^3 = 8$, [D]

87. interphase is between divisions \Rightarrow [C]

88. classic SA/V ratio, [A]

89. nondisjunction \Rightarrow chromosomes don't separate \Rightarrow [A]

90. what the fuck are these symbols? [???

91. clearly [D]

92. fat stores energy, [B]

93. ER makes protein which is then secreted \Rightarrow [D]

94. based on #93, [B]

95. by tracking the radiation, [D]

96. $12 \rightarrow 10^5$, $4 \rightarrow 10^4$, diff = $10^{5-4} = 10 = 10$, [C]

97. there are some hardant bacteria so probably resistance, [D]

98. sugar diffused out \Rightarrow [A]

99. only small sugar molecules can pass \Rightarrow [E]

100. volume increased \Rightarrow [A]