

College Board Sample Questions

1. DNA replication occurs during the "non-division" part of the cell cycle, i.e. interphase, hence **D**

2. splitting occurs during cytokinesis, **C**

3. only ~~A~~ and **D** are above 30% at 8, **B**

4. only **C** logically follows

5. either **B** or **E** but I forget

⇒ apparently **E**

6. Kingdom \supset phylum \supset class \supset order \supset family \supset genus \supset species, hence **B**

7. body cells have $2 \cdot 3 + 2 = 8$, gametes have half i.e. 4, **B**

8. get the dominant allele half of the time ⇒ **C**

9. sex-linked recessive ⇒ recessive X from mother half of the time ⇒ **D**

10. I forget, ???

⇒ **E**

11. HW needs large population, **E**

12. only **D** makes sense

13. ^{universal} genetic code is not needed for natural selection, only heritability ⇒ **C**

14. **A** is basically HWE, no speciation

15-19 are ecological ⇒ skip

20. **E** is right, all others wrong

21. I ~~forget~~ forget, ??? ⇒ **D**

22. denaturing ⇒ **B**