

1. B

2. C

3. E

4. D

5. E

6. D

7. E

8. D

9. C

10. E

PES

23. B

24. B

25. D

26. C

27. E

28. B

29. A

30. A

100

11. A

12. A

13. D

14. D

15. B

16. B

17. E

18. D

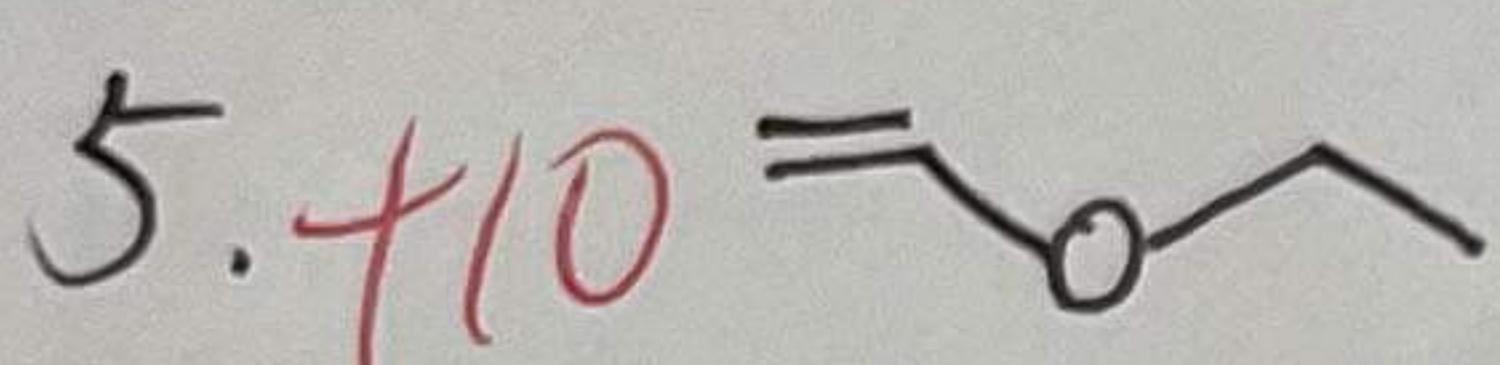
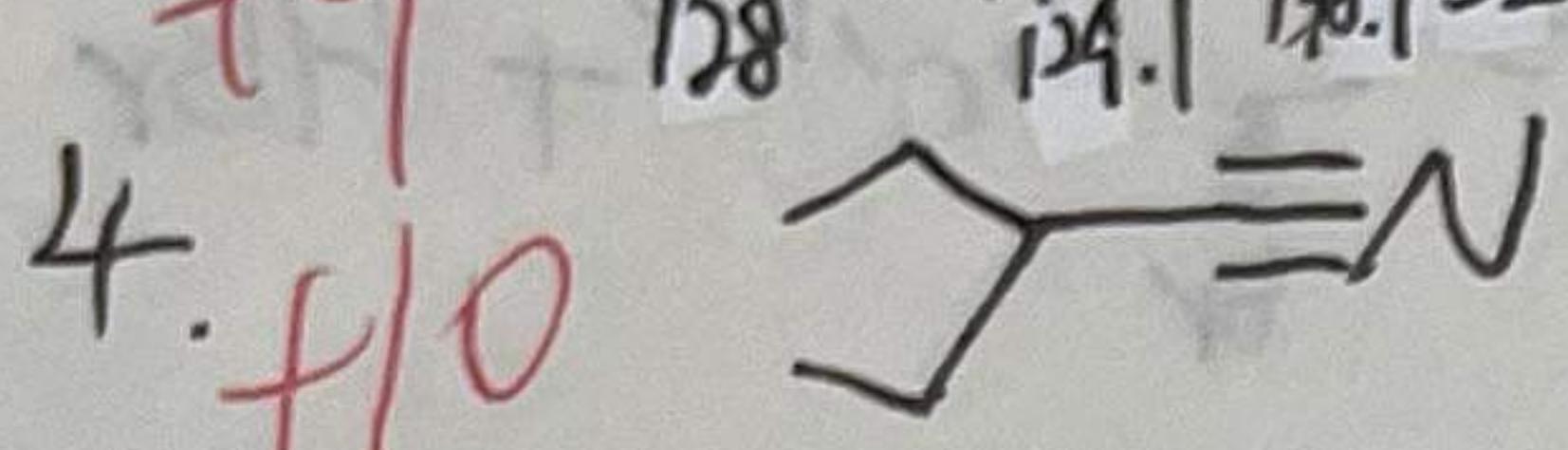
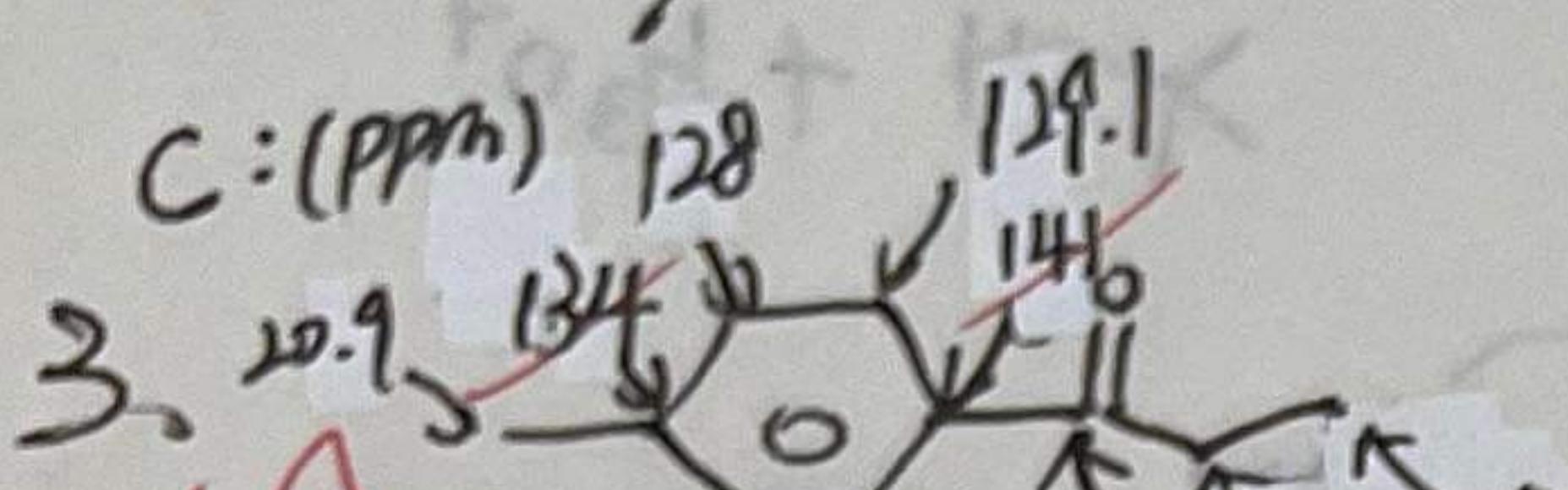
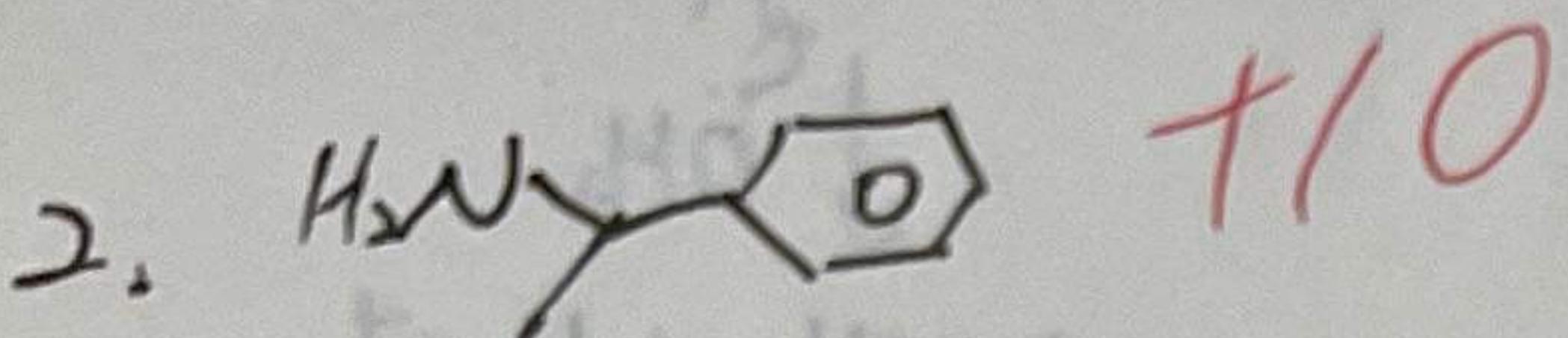
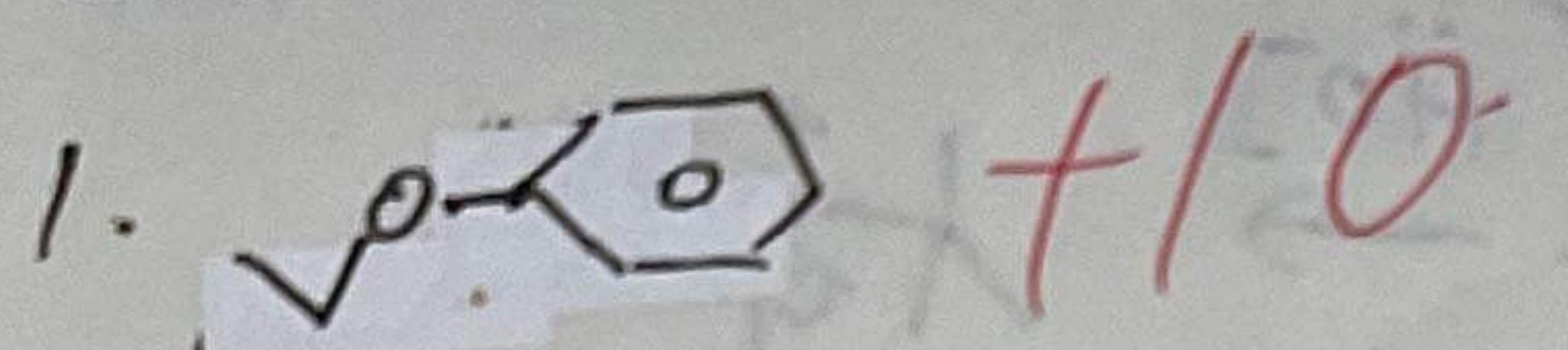
19. A

20. A

21. B

22. A

II.

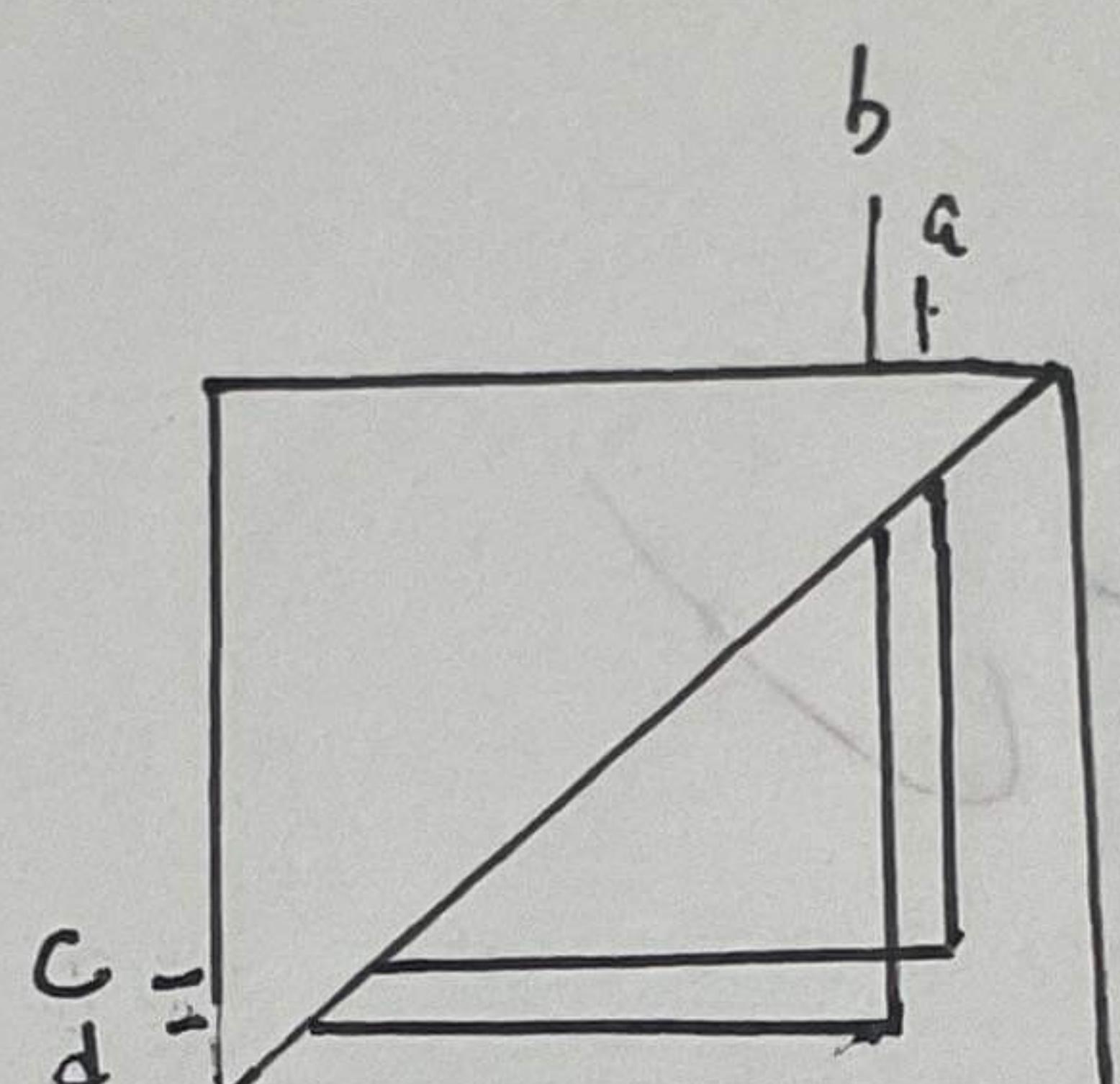
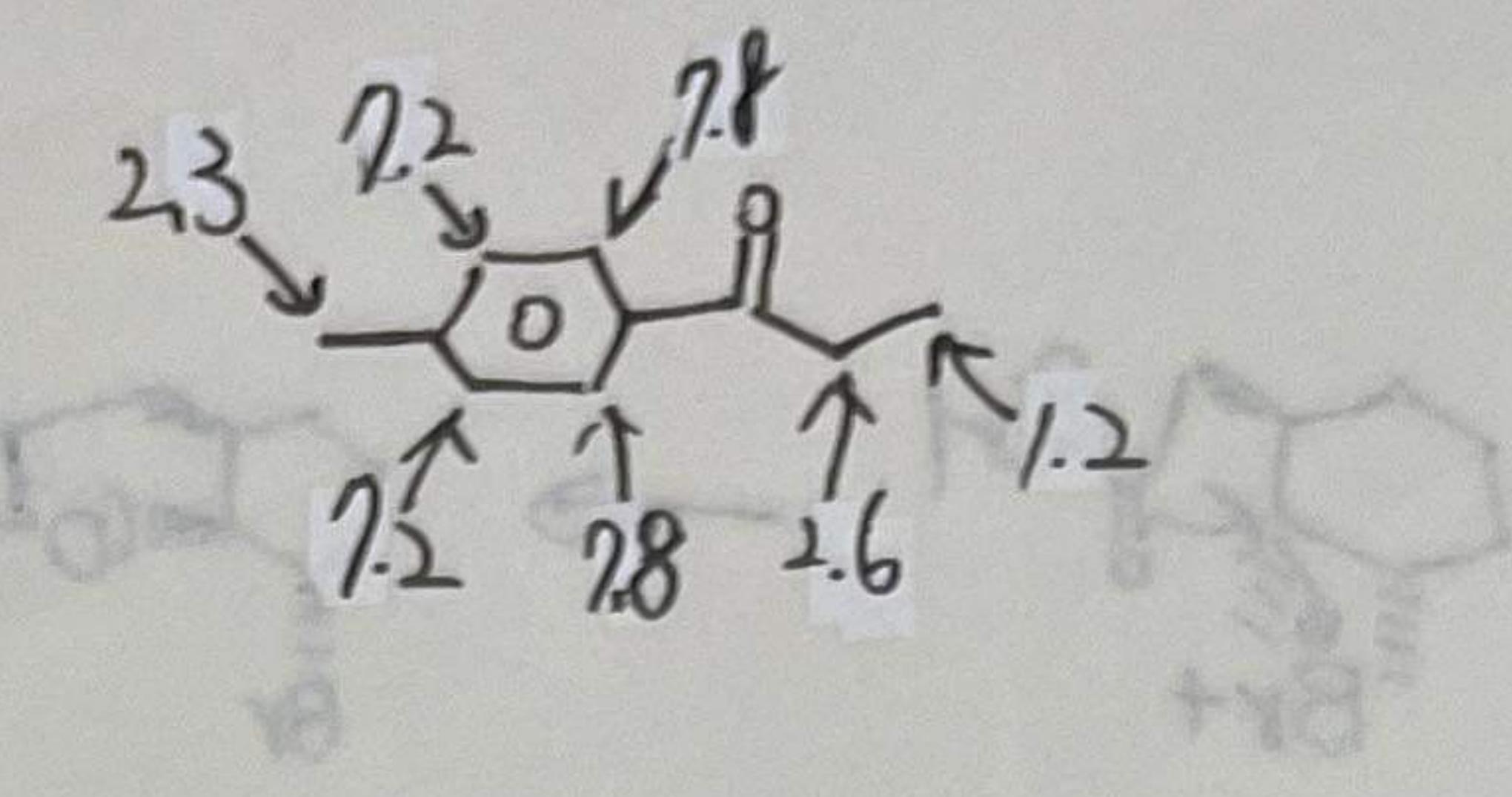


- HO,



+ HO,

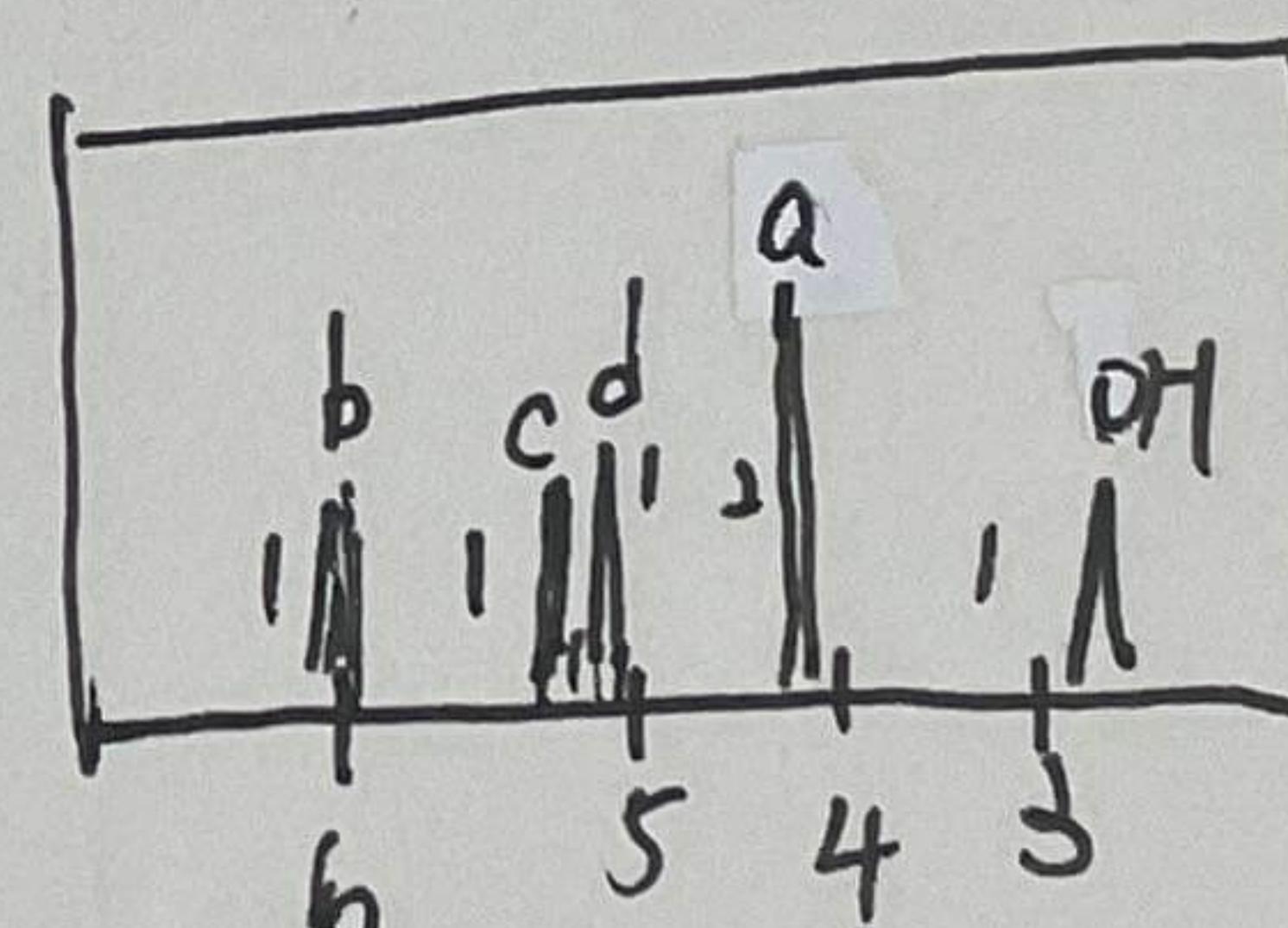
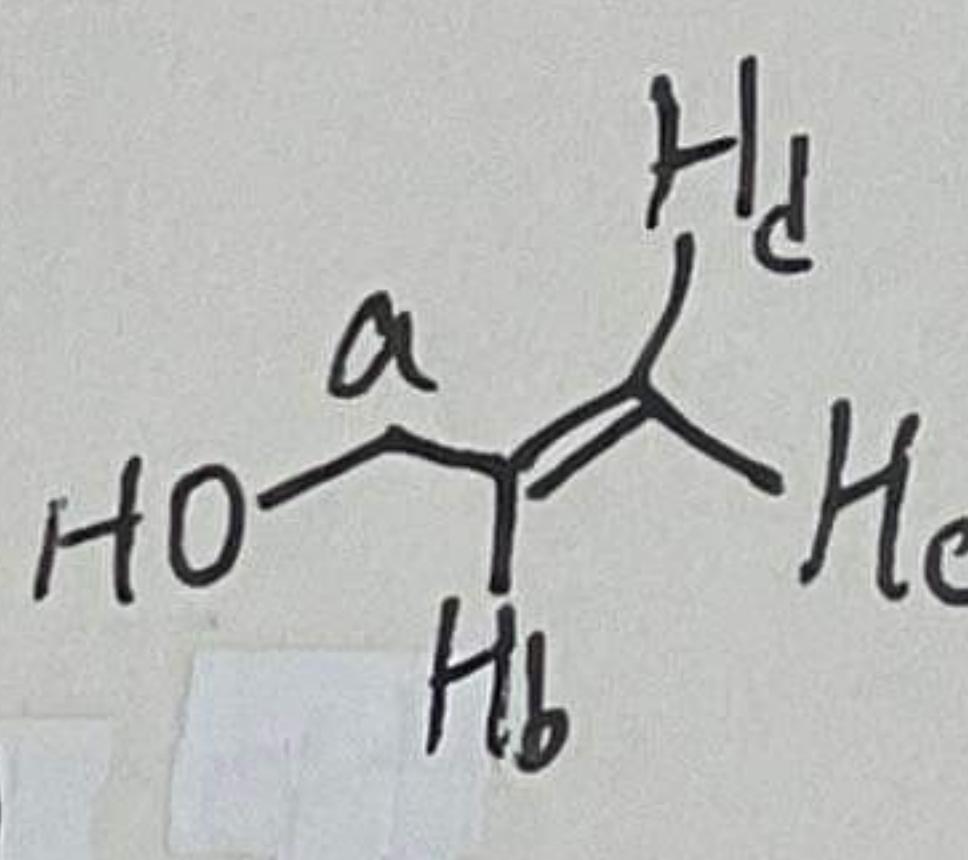
7. b and d coupling
c and a coupling



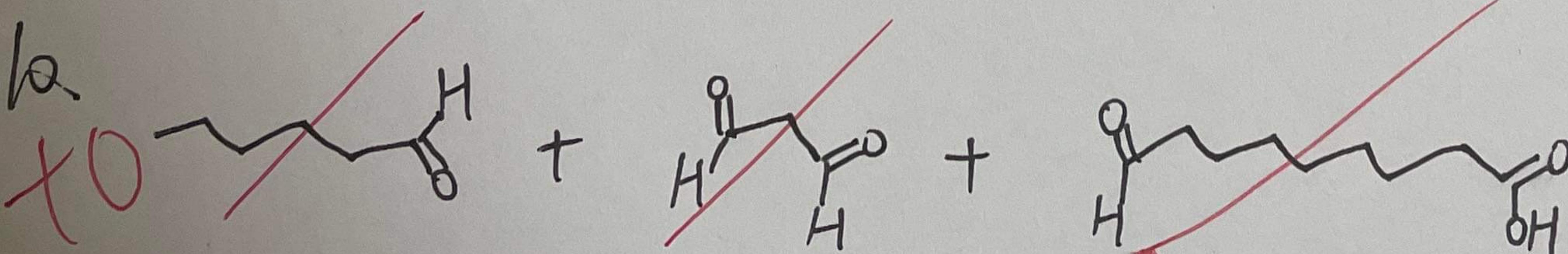
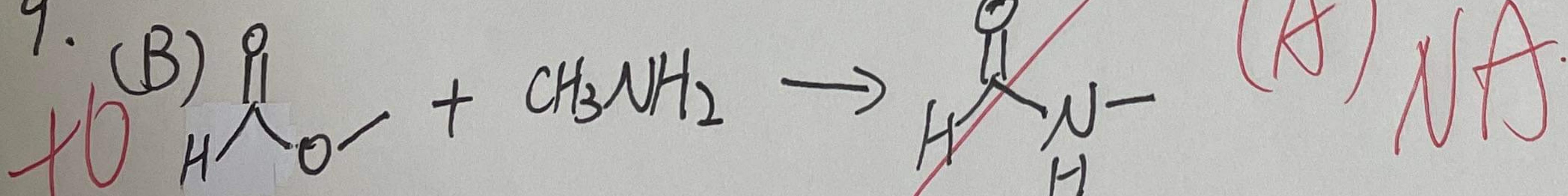
+ HO

8. from left to right

b → c → d → a → OH



9.



11.:: when triethylamine used as nucleophile, it doesn't have any proton to be removed then the ~~HO~~ intermediate will be very reactive.

∴ The only one can be used as nucleophile is ethylamine \Rightarrow only one amide product

