

ANSWERS TO IN-CHAPTER EXERCISE

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|------------------------------|-------------------------------|-------------------------------|------------------------------|
| 1. -196.5 kcal/mol | 2. -286.4 kJ/mol | 3. 4.8 km | 4. 144 gm |
| 5. -173.4 kJ/mol | 6. -121 kJ/mol | 7.(i) -366.2 kJ/mol | (ii) -142.6 kJ/mol |
| 8. -850.2 kJ/mol | 9. -428.5 kJ/mol | 10. -91.5 kJ/mol | 11. -905 kJ/mol |
| 12. -29 kcal/mol | 13. -72 kJ/mol | 14. -185.9 kcal/mol | 15. -7 kJ/mole |
| 16. -139.3 kJ/mol | 17. -153.2 kcal/mol | 18. -194.2 kcal/mol | |
| 19. ACD | 20. CD | 21. B | 22. D |
| 23. C | 24. A | 25. D | |
| 26. A | 27. A | 28. B | 29. C |
| 30. A | 31. B | 32. D | |
| 33. A | 34. B | 35. D | |