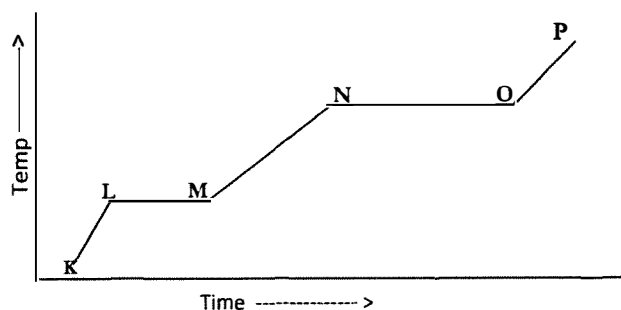


## Day 19: Practice Exam Section 1

**Questions 73 through 75:** Energy is added to a system at a constant rate as shown in the warming curve below.



73. Which of the following best represents the energy calculation involving segment MN of the graph?

- (A)  $\text{mass} \times H_{fus}$
- (B)  $\text{mass} \times c_{vap} \times \Delta T$
- (C)  $\text{mass} \times H_{vap}$
- (D)  $\text{mass} \times c_{liq} \times \Delta T$
- (E)  $\text{mass} \times H_{vap} \times \Delta T$

74. Which of the following best represents the energy calculation involving segment NO of the graph?

- (A)  $\text{mass} \times H_{fus}$
- (B)  $\text{mass} \times c_{vap} \times \Delta T$
- (C)  $\text{mass} \times H_{vap}$
- (D)  $\text{mass} \times c_{liq} \times \Delta T$
- (E)  $\text{mass} \times H_{vap} \times \Delta T$

75. Which segments on the curve would be eliminated if the substance sublimates at standard conditions?

- (A) LM only
- (B) MN only
- (C) LM and MN only
- (D) LM, MN and NO
- (E) NO and OP only

**STOP:** IF YOU FINISH BEFORE TIME IS CALLED, CHECK YOUR WORK ON THIS SECTION ONLY. DO NOT WORK ON ANY OTHER SECTION IN THE TEST.

## Day 19: Practice Exam Section I Answers

1. D	26. D	51. D
2. C	27. C	52. E
3. A	28. C	53. C
4. B	29. D	54. B
5. D	30. C	55. D
6. E	31. A	56. C
7. B	32. C	57. C
8. A	33. D	58. C
9. B	34. C	59. E
10. A	35. C	60. B
11. D	36. A	61. C
12. C	37. E	62. D
13. E	38. B	63. A
14. C	39. A	64. C
15. C	40. E	65. E
16. A	41. D	66. C
17. D	42. D	67. E
18. A	43. A	68. C
19. C	44. D	69. C
20. B	45. E	70. D
21. C	46. C	71. E
22. B	47. E	72. E
23. C	48. E	73. D
24. D	49. C	74. C
25. B	50. B	75. C