

Vapor Pressure Diagram and Phase Diagram Answer Key (Grey Worksheet)

1. 26.7 kPa
2. 6.5 kPa
3. 75 degrees C
4. 26.17 kPa
5. 118 degrees C
6. the boiling point at normal atmospheric pressure ("standard pressure", 1 atm)
7. 75 degrees C
8. 115 degrees C
9. 70 degrees C
10. 20 kPa

(note: Your answers may not be exactly the same as these on the problems that you had to estimate the answer. That's okay—but your answers should be close.)

11. triple point
12. F
13. E
14. G
15. Critical point
16. 22,100 kPa
17. 31.0 degrees C
18. negative
19. melting
20. temp. goes down, pressure goes up