

LVN-RN Acid Base Worksheet

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Please indicate if the following are Respiratory Acidosis, Respiratory Alkalosis, Metabolic Acidosis, or Metabolic Alkalosis. Also indicate if we have no compensation, partial compensation, or full compensation.

1. pH 7.21
CO2 35 metabolic acidosis, uncompensated
HCO3 16

2. pH 7.52
CO2 40 metabolic alkalosis, uncompensated
HCO3 32

3. pH 7.31
CO2 60 respiratory acidosis, uncompensated
HCO3 22

4. pH 7.6
CO2 30 respiratory alkalosis, uncompensated
HCO3 26

5. pH 7.35
CO2 64 respiratory acidosis, full compensation
HCO3 32

6. pH 7.45
CO2 27 respiratory alkalosis, full compensation
HCO3 20

7. pH 7.38
CO2 27 metabolic acidosis, full compensation
HCO3 16

8. pH 7.43
CO2 56 metabolic alkalosis, full compensation
HCO3 33

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9. pH 7.31
CO₂ 52 respiratory acidosis, partial compensation
HCO₃ 30
10. pH 7.53
CO₂ 28 respiratory alkalosis, partial compensation
HCO₃ 18
11. pH 7.22
CO₂ 26 metabolic acidosis, partial compensation
HCO₃ 14
12. pH 7.56
CO₂ 51 metabolic alkalosis, partial compensation
HCO₃ 35
13. pH 7.43
CO₂ 50 metabolic alkalosis, partial compensation
HCO₃ 32
14. pH 7.50
CO₂ 36 metabolic alkalosis, uncompensated
HCO₃ 27
15. pH 7.42
CO₂ 16 respiratory alkalosis, full compensation
HCO₃ 10
16. pH 7.52
CO₂ 30 respiratory alkalosis, uncompensated
HCO₃ 24
17. pH 7.50
CO₂ 30 respiratory alkalosis, uncompensated
HCO₃ 23

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18. pH 7.30
CO₂ 55 respiratory acidosis, uncompensated
HCO₃ 26
19. pH 7.51
CO₂ 18 respiratory alkalosis, partial compensation
HCO₃ 14
20. pH 7.33
CO₂ 38 metabolic acidosis, uncompensated
HCO₃ 19
21. pH 7.29
CO₂ 49 respiratory acidosis, uncompensated
HCO₃ 23
22. pH 7.22
CO₂ 23 metabolic acidosis, partial compensation
HCO₃ 9
23. pH 7.28
CO₂ 18 metabolic acidosis, partial compensation
HCO₃ 8
24. pH 7.33
CO₂ 15 metabolic acidosis, partial compensation
HCO₃ 8
25. pH 7.46
CO₂ 57 metabolic alkalosis, partial compensation
HCO₃ 39