

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 metabolic acidosis, no compensation
CO2 35
HCO3 16

2. pH 7.52 metabolic alkalosis, no compensation CO2
40
HCO3 32

3. pH 7.31 Respiratory acidosis , no compensation
CO2 60
HCO3 22

4. pH 7.6 Respiratory alkalosis, no compensation
CO2 30
HCO3 26

5. pH 7.35 Respiratory acidosis, fully compensated
CO2 64
HCO3 32

6. pH 7.45 Respiratory alkalosis, fully compensated
CO2 27
HCO3 20

7. pH 7.38 metabolic acidosis, fully compensated
CO2 27
HCO3 16

8. pH 7.43 metabolic alkalosis, fully compensated
CO2 56
HCO3 33

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9. pH 7.31
CO₂ 52
HCO₃ 30

10. pH 7.53
CO₂ 28
HCO₃ 18

11. pH 7.22
CO₂ 26
HCO₃ 14

12. pH 7.56
CO₂ 51
HCO₃ 35

13. pH 7.43
CO₂ 50
HCO₃ 32

14. pH 7.50
CO₂ 36
HCO₃ 27

15. pH 7.42
CO₂ 16
HCO₃ 10

16. pH 7.52
CO₂ 30
HCO₃ 24

17. pH 7.50
CO₂ 30
HCO₃ 23

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18. pH 7.30
CO₂ 55
HCO₃ 26

19. pH 7.51
CO₂ 18
HCO₃ 14

20. pH 7.33
CO₂ 38
HCO₃ 19

21. pH 7.29
CO₂ 49
HCO₃ 23

22. pH 7.22
CO₂ 23
HCO₃ 9

23. pH 7.28
CO₂ 18
HCO₃ 8

24. pH 7.33
CO₂ 15
HCO₃ 8

25. pH 7.46
CO₂ 57
HCO₃ 39