

LVN-RN Acid Base Worksheet

Name: Alexandria Acevedo

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.

- | | | | | |
|--------------------------------------|------------------|--------------------|--|---|
| <p>7.35-7.45
35-45
22-26</p> | 1. | pH | 7.21 ^A | <p>^{NO}
partially compensated
metabolic Acidosis</p> |
| | | CO ₂ | 35 ^B | |
| | | HCO ₃ | 16 ^A | |
| | 2. | pH | 7.52 ^B | <p>Acute
metabolic Alkalosis</p> |
| | | CO ₂ | 40 ^N | |
| | | HCO ₃ | 32 ^B | |
| | 3. | pH | 7.31 ^A | <p>no compensation
Respiratory Acidosis</p> |
| | | CO ₂ | 60 ^A | |
| | HCO ₃ | 22 ^N | | |
| 4. | pH | 7.6 ^B | <p>no compensation
Respiratory Alkalosis</p> | |
| | CO ₂ | 30 ^B | | |
| | HCO ₃ | 26 ^N | | |
| 5. | pH | 7.35 ^N | <p>Fully compensated
Respiratory Acidosis</p> | |
| | CO ₂ | 64 ^{Acid} | | |
| | HCO ₃ | 32 ^{Alk} | | |
| 6. | pH | 7.45 ^N | <p>Fully compensated
Respiratory Alkalosis</p> | |
| | CO ₂ | 27 ^{Alk} | | |
| | HCO ₃ | 20 ^{Acid} | | |
| 7. | pH | 7.38 ^N | <p>Fully compensated
metabolic Acidosis</p> | |
| | CO ₂ | 27 ^{Alk} | | |
| | HCO ₃ | 16 ^{Acid} | | |
| 8. | pH | 7.43 ^B | <p>Fully compensated
metabolic Alkalosis</p> | |
| | CO ₂ | 56 ^{Acid} | | |
| | HCO ₃ | 33 ^{Alk} | | |

LVN-RN Acid Base Worksheet

9. pH 7.31 B
CO₂ 52 Acid
HCO₃ 30 Alk

partially comp
Respiratory Acidosis

10. pH 7.53 B
CO₂ 28 Alk
HCO₃ 18 Acid

partially comp
Respiratory Alkalosis

11. pH 7.22 A
CO₂ 26 Alk
HCO₃ 14 Acid

partially comp
metabolic Acidosis

12. pH 7.56 B
CO₂ 51 Acid
HCO₃ 35 Alk

partially comp
Respiratory Alkalosis
metabolic

13. pH 7.43 B
CO₂ 50 Acid
HCO₃ 32 Alk

Fully compensated
metabolic Alkalosis

14. pH 7.50
CO₂ 36
HCO₃ 27

Uncompensated
metabolic Alkalosis

15. pH 7.42 B
CO₂ 16 Alk
HCO₃ 10 Acid

Fully compensated
Respiratory Alkalosis

16. pH 7.52
CO₂ 30 Alk
HCO₃ 24

Uncompensated
Respiratory Alkalosis

17. pH 7.50
CO₂ 30 Alk
HCO₃ 23

Uncompensated
Respiratory Alkalosis

18. pH 7.30 ^A
CO₂ 55^A
HCO₃ 26^N

Uncompensated
Respiratory Acidosis

19. pH 7.51 ^B
CO₂ 18^B
HCO₃ 14^A

partially compensated
Respiratory Alkalosis

20. pH 7.33^A
CO₂ 38^N
HCO₃ 19^A

Uncompensated
Metabolic Acidosis

21. pH 7.29 ^A
CO₂ 49^A
HCO₃ 23^N

Uncompensated
Respiratory Acidosis

22. pH 7.22 ^A
CO₂ 23^B
HCO₃ 9^A

partially compensated
metabolic Acidosis

23. pH 7.28 ^A
CO₂ 18^B
HCO₃ 8^A

partially compensated
Metabolic Acidosis

24. pH 7.33 ^A
CO₂ 15^B
HCO₃ 8^A

partially compensated
metabolic Acidosis

25. pH 7.46 ^B
CO₂ 57^A
HCO₃ 39^B

partially compensated
metabolic Alkalosis