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
   CO2       35      Uncompensated
   HCO3      16

2. pH        7.52   Metabolic Alkalosis
   CO2       40      Uncompensated
   HCO3      32

3. pH        7.31 Respiratory Acidosis
   CO2       60    Uncompensated
   HCO3      22

4. pH        7.6   Respiratory Alkalosis
   CO2       30   Uncompensated
   HCO3      26

5. pH        7.35 Respiratory Acidosis
   CO2       64    Fully Compensated
   HCO3      32

6. pH        7.45   Respiratory Alkalosis
   CO2       27      Fully compensated
   HCO3      20

7. pH        7.38 Metabolic Acidosis
   CO2       27    Fully compensated
   HCO3      16

8. pH        7.43 Metabolic Alkalosis
   CO2       56    Fully compensated
   HCO3      33

9.  pH      7.31
    $CO_2$    52
    $HCO_3$   30

10. pH      7.53
    $CO_2$    28
    $HCO_3$   18

11. pH      7.22
    $CO_2$    26
    $HCO_3$   14

12. pH      7.56
    $CO_2$    51
    $HCO_3$   35

13. pH      7.43
    $CO_2$    50
    $HCO_3$   32

14. pH      7.50
    $CO_2$    36
    $HCO_3$   27

15. pH      7.42
    $CO_2$    16
    $HCO_3$   10

16. pH      7.52
    $CO_2$    30
    $HCO_3$   24

17. pH      7.50
    $CO_2$    30
    $HCO_3$   23

18. pH 7.30
    $CO_2$ 55
    $HCO_3$ 26


19. pH 7.51
    $CO_2$ 18
    $HCO_3$ 14


20. pH 7.33
    $CO_2$ 38
    $HCO_3$ 19


21. pH 7.29
    $CO_2$ 49
    $HCO_3$ 23


22. pH 7.22
    $CO_2$ 23
    $HCO_3$ 9


23. pH 7.28
    $CO_2$ 18
    $HCO_3$ 8


24. pH 7.33
    $CO_2$ 15
    $HCO_3$ 8


25. pH 7.46
    $CO_2$ 57
    $HCO_3$ 39