FORMULAS, TERMS, & UNITS

Directions: For the following items # 1 – 17 you have been given the symbol of various units. Write out the meaning of the symbols using only words. match the appropriate unit with each term.

1. **g -**
2. **N -**
3. **m/s^2**
4. **J/g^oC -**
5. **g/cm^3 -**
6. **cm^3 -**
7. **g/mL -**
8. **mL -**
9. **J -**
10. **^oC -**
11. **K -**
12. **kg**
13. **m/s -**
14. **m -**
15. **mph -**
16. **s -**
17. **Ω –**
18. **$Kg{\cdot}m/s^2$ –**
19. **N·m -**

Directions: For the following items # 20 – 32 use the symbols you defined above and write them next to the correct category or term below

20. **Acceleration**
21. **Density**
22. **Distance**
23. **Energy**
24. **Force**
25. **Mass**
26. **Resistance**
27. **Specific Heat**
28. **Velocity**
29. **Time**
30. **Volume**
31. **Work**
32. **Change in Temperature**

Directions: for items 33 - 41 rearrange the formulas to solve for the variable indicated.

33. Solve for displacement

$$V = \frac{d}{t}$$

34. Solve for final velocity

$$a = \frac{V_f - V_i}{t}$$

35. Solve for mass

$$w = mg$$

36. Solve for acceleration

$$f = ma$$

37. Solve for force

$$w = fd$$

38. Solve for Current

$$V = IR$$

39. Solve for mass

$$d = \frac{m}{v}$$

40. Solve for width

$$v = lwh$$

41. Solve for Change in Temp.

$$q = mc\Delta T$$