

Name: _____

Date: _____ Per: _____

Chemistry
SI Unit Conversions WS 2

I. Perform the following SI unit conversions, **showing all work**.

1. 0.075 m = _____ cm

2. 862 kg = _____ g

3. 1.529 L = _____ mL

4. 34.23 ms = _____ μ s

5. 48.3 kL = _____ L

6. _____ g = 521 kg

7. _____ m = 450 mm

8. 997 cg = _____ μ g

9. _____ m = 65 mm

10. _____ cg = 581 kg

11. 837 Mm = _____ m

12. _____ L = 7754 kL

13. $46^{\circ}\text{C} = \underline{\hspace{2cm}} \text{K}$

14. $392 \text{ K} = \underline{\hspace{2cm}} ^{\circ}\text{C}$

15. $-21^{\circ}\text{C} = \underline{\hspace{2cm}} \text{K}$

16. $129 \text{ K} = \underline{\hspace{2cm}} ^{\circ}\text{C}$

17. $-147^{\circ}\text{C} = \underline{\hspace{2cm}} \text{K}$

18. $490 \text{ K} = \underline{\hspace{2cm}} ^{\circ}\text{C}$

19. $17^{\circ}\text{C} = \underline{\hspace{2cm}} \text{K}$

20. $22 \text{ K} = \underline{\hspace{2cm}} ^{\circ}\text{C}$

21. $5400 \text{ K} = \underline{\hspace{2cm}} ^{\circ}\text{C}$

22. $-98^{\circ}\text{C} = \underline{\hspace{2cm}} \text{K}$

23. $232 \text{ K} = \underline{\hspace{2cm}} ^{\circ}\text{C}$

24. $92.5 \text{ cm}^3 = \underline{\hspace{2cm}} \text{mL}$

25. $45 \text{ cm}^3 = \underline{\hspace{2cm}} \text{mm}^3$