

Name: _____

Date: _____ Per: _____

Chemistry
SI Unit Conversions WS 1

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

1. 5.23 L = _____ mL

2. 734.2 ms = _____ s

3. 4.3 kL = _____ L

4. 5.86 m = _____ mm

5. 812 cm³ = _____ mL

6. 152.7 mg = _____ g

7. 594 m = _____ km

8. 223 μg = _____ mg

9. 98 mL = _____ L

10. 14 g = _____ mg

11. 27.5 g = _____ kg

12. $9436 \mu\text{m} = \underline{\hspace{2cm}} \text{mm}$

13. $\underline{\hspace{2cm}} \text{L} = 88.0 \text{mL}$

14. $7500 \text{km} = \underline{\hspace{2cm}} \text{Mm}$

15. $\underline{\hspace{2cm}} \mu\text{s} = 0.000432 \text{s}$

16. $648.0 \text{cg} = \underline{\hspace{2cm}} \text{kg}$

17. $17.9 \text{dL} = \underline{\hspace{2cm}} \text{L}$

18. $0.0893 \text{kg} = \underline{\hspace{2cm}} \text{mg}$

19. $\underline{\hspace{2cm}} \text{mL} = 0.525 \text{L}$

20. $\underline{\hspace{2cm}} \text{m} = 0.07812 \text{Mm}$

21. $27 \text{kg} = \underline{\hspace{2cm}} \text{mg}$

22. $\underline{\hspace{2cm}} \text{cm} = 123 \text{mm}$

23. $43 \text{kL} = \underline{\hspace{2cm}} \text{mL}$

24. $2567 \text{g} = \underline{\hspace{2cm}} \text{Mg}$

25. $876 \mu\text{l} = \underline{\hspace{2cm}} \text{kL}$