

Chemistry 1st unit Test notes (Chapter 3)

Know the following:

1. ✓ How to determine number of sig figs when making a measurement, looking at a given measurement, adding, subtracting, multiplying, and dividing measurements.
2. ✓ 2-dimensional measurements (length or distance), 2-dim measurements (area), 3-dim measurements (volume).
3. ✓ What is accuracy? precision?
4. ✓ Density: definition, calculations
5. ✓ Conversion factors - *ratio of equivalent measurements.*
6. ✓ Dimensional Analysis to convert
7. ✓ Size of measurements relative to base unit. $10^2\text{cm} = 1\text{m}$, etc.
8. ✓ Convert between degrees Celsius & Kelvin
9. ✓ Calculate percent error using $\frac{|A - O|}{A} \times 100\%$
10. ✓ Other conversions: weeks to days, etc

SEE ATTACHED EXTRA PRACTICE PROBLEMS: Blank sheets and ans keys included!