

AP CHEMISTRY Unit 1 Exam Review.

Day 1 Multiple Choice Roughly 35 in 55 minutes. **NO** CALCULATOR Allowed
Day 2 Free Response Roughly 7 in 55 minutes. **CALCULATOR NEEDED**

Topics you will need to understand.

Chapter 1 Introduction: Matter and Measurement

1. Pure substance vs. Mixture.
2. Homogeneous vs. Heterogeneous Mixture.
3. Element vs. Compound.
4. Physical vs. Chemical Properties.
5. Intensive vs. Extensive Physical Properties.
6. Distillation vs. Filtration.
7. Density Calculations.
8. Accuracy vs. Precision.
9. Significant Figure Rules
10. Calculations with Significant Figures.

Chapter 2 Atoms, Molecules and Ions.

1. History of the Atom. (Scientists, their experiments and conclusions)
2. Structure of the Atom with Subatomic Particle Location and Charge.
3. Ion vs. Isotope.
4. Calculate Average Atomic Mass.
5. Periodic Table Group Names and Charges.
6. Cation vs. Anion.
7. Identify and Name Ionic and Molecular Compounds.