Sample Questions for the Chemistry Placement Exam

Note: These questions are intended to represent the general level of difficulty and areas of coverage of the Chemistry Placement Exam.

They are NOT intended to be a complete representation of the specific types of questions to be found on the exam.

- 1. Aluminum reacts with element X to form a compound with the formula Al₂X₃. Element X exists as diatomic molecules, X₂, in the gaseous state at normal temperature and pressure. Element X must be:
- a) Nitrogen
- b) Oxygen
- c) Sulfur
- d) Chlorine
- 2. What is the coefficient of O2

- b) 8.3 x 10-4
- c) 8.3 x 10₈ d) 8.27 x 10₋₈