

MiniQuiz 1

Chem 111, Section 2 (Martin, 10:10am)

Fall 1998

- 1a. Which atom below contains exactly 16 protons?
(a) C (b!) S (c) O (d) Mg (e) N
- 2a. Which one of the following is predicted to be a stable ionic compound?
(a!) NH₄Cl (b) KO (c) MgOH (d) CaF₃ (e) LiS
- 3a. When sodium becomes a monoatomic ion, how many electrons does it gain or lose?
(a) gains 1 (b) gains 2 (c) gains 3 (d) loses 2 (e!) loses 1
- 4a. Knowing that the formula of potassium borate is K₃BO₃, what is the charge on the borate ion?
(a) +1 (b) +3 (c) 0 (d) -1 (e!) -3
- 5a. The gas nitric oxide, NO, has recently been found to be an intracellular signaling molecule. If you have 15 g of NO, how many moles of NO do you have?
(a) 2 moles (b!) 0.5 moles (c) 15 moles (d) 30 moles (e) 1 mole