

MiniQuiz 1

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

Fall 1998

- Which atom below contains exactly 16 protons?
(a) C (b) S (c) O (d) Mg (e) N
- Which one of the following is predicted to be a stable ionic compound?
(a) NH_4Cl (b) KO (c) MgOH (d) CaF_3 (e) LiS
- 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
- Knowing that the formula of potassium borate is K_3BO_3 , what is the charge on the borate ion?
(a) +1 (b) +3 (c) 0 (d) -1 (e) -3
- 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