

AP QUIZ 00D: Inorganic Nomenclature

Name: _____

Question 1:

Write either the missing name **or** the missing formula in the space provided. (11)

(a) HBr _____

(b) MgCl₂ _____

(c) Na₃N _____

(d) HNO₃ _____

(e) Aluminum hydroxide _____

(f) Iron(II) sulfide _____

(g) CuCl _____

(h) Xenon hexafluoride _____

(i) Cobalt(III) oxide _____

(j) Mercury(II) bromide _____

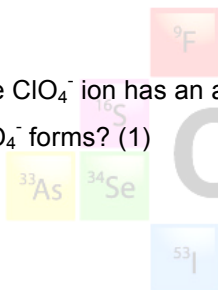
(k) N₂O₅ _____



Question 2:

The chlorite ion, ClO_2^- , is one of four oxyanions commonly formed by chlorine, the others being ClO^- , ClO_3^- and ClO_4^- .

- (a) Give the formula **and** the name, for the acid that the chlorite ion forms. (2)
- (b) Give the formula **and** the name, for the compound that the chlorite ion would form with barium ions. (2)
- (c) The ClO_4^- ion has an analogous ion where Cl is replaced by Br. What is the name of the acid that BrO_4^- forms? (1)
- (d) Cl and O can also combine to form species that have no charge (i.e., that are electrically neutral). Two examples of such compounds are ClO_2 and Cl_2O_3 . Give the names for each of these compounds. (2)



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