

Answer to the Question #47191 - Chemistry – Other

Question

If formula of a metallic phosphate is MH_2PO_4 where M is the metal find: (i) valency of this metal (ii) formula of its chloride and nitrate

Answer:

(i) MH_2PO_4 is a salt, dihydrophosphate, the salt of phosphoric acid. The anion of this salt ($H_2PO_4^-$, the dihydrogen phosphate anion) has the valency 1, so, the valency of this metal is 1.

(ii) As the valency of this metal is 1, its chloride has formula MCl and nitrate has formula MNO_3 .