

## **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  $MNO_3$ .