

SchoolNova Chem2 Class 3 Homework

1. Draw structural formulas of the following ions with Lewis dot notation:

Phosphide (P^{3-})

Phosphonate (HPO_3^{2-})

Phosphate (PO_4^{3-})

2. What are the oxidation numbers of the P atom in all three ions above?

3. Where are the partial positive and partial negative charges on phosphonate, and why?