Answer on Question #64917, Chemistry / General Chemistry

calculate the concentration of the calcium ions in solution 3.36M

Answer

For soluble calcium salts:

$$CaCl_2 \leftrightarrow Ca^{2+} + 2Cl^{-}$$
1Mol 1Mol
Or

 $CaSO_4 \leftrightarrow Ca^{2+} + SO_4^{2-}$
1Mol 1Mol
Or

 $Ca(NO_3)_2 \leftrightarrow Ca^{2+} + 2NO_3^{-}$
1Mol 1Mol

So how many moles of salt, the same number of moles of calcium ions

Answer: the concentration of calcium ions 3,36M