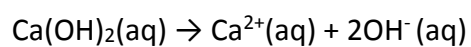Answer on Question#64979 – Chemistry – General chemistry
Question: Calculate the [OH-] for 0.018 M Ca(OH)2. Answer in unit of M

Solution:

$Ca(OH)_2$ is a strong base, so it dissociates completely:

$Ca(OH)_2(aq) \rightarrow Ca^{2+}(aq) + 2OH^-(aq)$

$[OH^-] = 2n(Ca(OH)_2) = 2 \cdot 0.018M = 0.036M$

Answer: 0.036M.