CaCO <sub>3</sub> . Calculate the concentration of $Ca^{2+}$ in these conditions.	_
[Ca <sup>2+</sup> ] =	_
The pH is expected to drop to about 7.8 by the end of the century as $CO_2$ levels increase further. What effect will this have on the solubility of $CaCO_3$ in sea water? Use chemical equations to assist with explaining your answer.	