**21** In an experiment, 0.600 mol of chlorine gas, $Cl_2$, is reacted with an excess of hot aqueous sodium hydroxide. One of the products is $NaClO_3$.

Which mass of $NaClO_3$ is formed?

**A** 21.3 g **B** 44.7 g **C** 63.9 g **D** 128 g