	1	Quiz 5.1 – Stoichiometry
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Name:	How	

Question 1 (2 points)

Consider the reaction: 2 $Fe(OH)_3 \longrightarrow Fe_2O_3 + 3 H_2O$

If you decompose exactly 0.500 g of Fe(OH)₃, how many g of each product will be made?

Question 2 (3 points)

Consider the reaction: 2 ClO_2 + $\text{H}_2\text{O} \longrightarrow \text{HClO}_2$ + HClO_3

If you wanted to synthesize exactly $1.50\ g$ of $\mathrm{HClO_3}$, how many g of each reactant should you use?

How many g of $\mathrm{HClO_2}$ would be produced at the same time?