	Moles to Moles Stoich WS	Name		Period	Seat #

Moles of A	Coefficient of B	= Moles of B
	Coefficient of A	

/10

Answer the following questions and show your work, answer & units to get full credit.

Q	Work	Answer & UNITS
#1	$N_2 + 3H_2 \rightarrow 2NH_3$ How many moles of **hydrogen** are needed to completely react with two moles of nitrogen?	
#2	$2KClO_3 \rightarrow 2KCl + 3O_2$ How many moles of **oxygen** are produced by the decomposition of six moles of potassium chlorate?	
#3	$Zn + 2HCl \rightarrow ZnCl_2 + H_2$ How many moles of hydrogen are produced from the reaction of three moles of zinc with an excess of hydrochloric acid?	
#4	$C_3H_8 + 5O_2 \rightarrow 3CO_2 + 4H_2O$ How many moles of oxygen are necessary to react completely with four moles of propane (C_3H_8)?	
#5	$K_3PO_4 + Al(NO_3)_3 \rightarrow 3KNO_3 + AlPO_4$ How many moles of potassium nitrate are produced when two moles of potassium phosphate react with aluminum nitrate?	