Name : ---------- Date : ----------

Conservation of Mass Reactions Worksheet

The mass of the reactants and products of a set of balanced equations are in the table below. Using the law of conservation of mass, add the missing values. (You may need to reuse some values).

Reactants		**Products**	
H_2	Cl_2	2HCl	
2g	71g		
2Mg	O_2	2MgO	
48g	32g		
4Na	O_2	$2Na_2O$	
		124g	
HNO_3	NaOH	$NaNO_3$	H_2O
63g	40g		18g
$CaCl_2$	2KOH	$Ca(OH)_2$	2KCl
111g	112g	74g	
Fe_2O_3	2Al	Al_2O_3	2Fe
160g	54g	102g	
Mg	2HCl	$MgCl_2$	H_2
24g			
2Zn	O_2	2ZnO	
130g			
2Al	$3Cl_2$	$2AlCl_3$	
2K	$2H_2O$	2KOH	H_2
78g			

Name : ---------- Date : ----------

Conservation of Mass Reactions Worksheet

Answers

The mass of the reactants and products of a set of balanced equations are in the table below. Using the law of conservation of mass, add the missing values. (You may need to reuse some values).

Reactants		**Products**	
H_2	Cl_2	2HCl	
2g	71g	73g	
2Mg	O_2	2MgO	
48g	32g	80g	
4Na	O_2	$2Na_2O$	
92g	32g	124g	
HNO_3	NaOH	$NaNO_3$	H_2O
63g	40g	85g	18g
$CaCl_2$	2KOH	$Ca(OH)_2$	2KCl
111g	112g	74g	149g
Fe_2O_3	2Al	Al_2O_3	2Fe
160g	54g	102g	112g
Mg	2HCl	$MgCl_2$	H_2
24g	73g	95g	2g
2Zn	O_2	2ZnO	
130g	32g	162g	
2Al	$3Cl_2$	$2AlCl_3$	
54g	213g	267g	
2K	$2H_2O$	2KOH	H_2
78g	36g	112g	2g