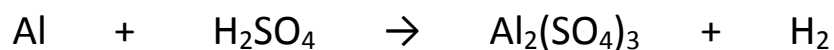
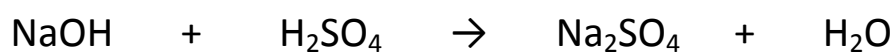
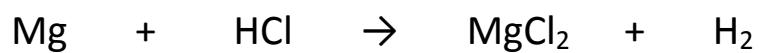
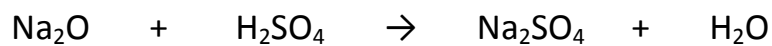
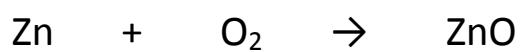
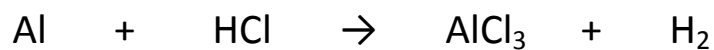


## Balancing equations

Day 1:

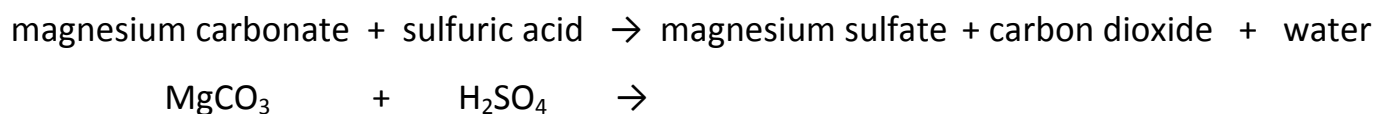
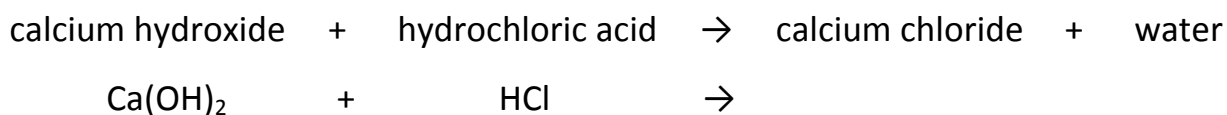
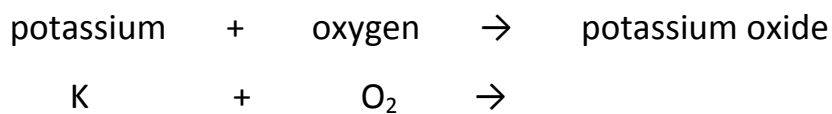
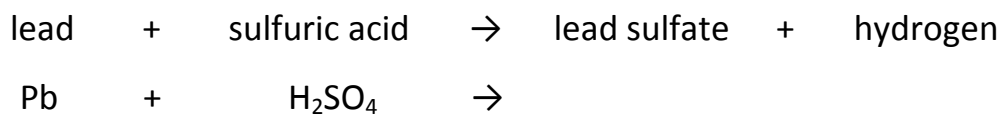
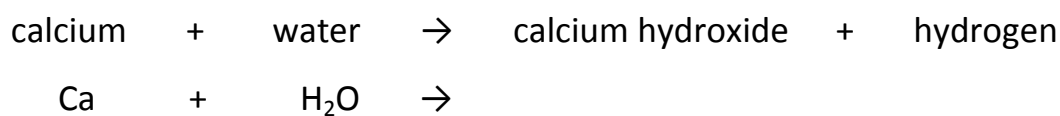


Day 2:

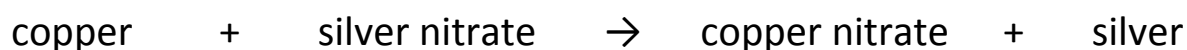
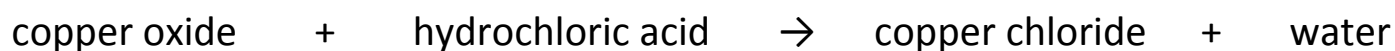


Day 3: Complete the equations by writing the correct formulas. Then balance the equations.

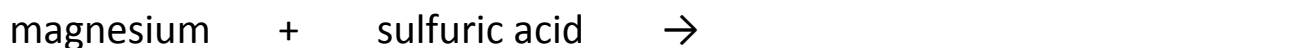
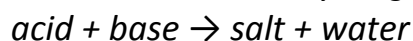
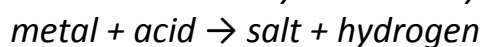
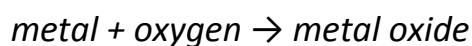
+1	+2	+3	-3	-2	-1
NH <sub>4</sub> <sup>+</sup>	Ca <sup>2+</sup>	Al <sup>3+</sup>		O <sup>2-</sup>	OH <sup>-</sup>
Na <sup>+</sup>	Mg <sup>2+</sup>	Fe <sup>3+</sup>		S <sup>2-</sup>	Cl <sup>-</sup>
K <sup>+</sup>	Cu <sup>2+</sup>			CO <sub>3</sub> <sup>2-</sup>	NO <sub>3</sub> <sup>-</sup>
Ag <sup>+</sup>	Pb <sup>2+</sup>			SO <sub>4</sub> <sup>2-</sup>	HCO <sub>3</sub> <sup>-</sup>
H <sup>+</sup>	Fe <sup>2+</sup>				
	Ba <sup>2+</sup>				
	Zn <sup>2+</sup>				



Day 4: Use the table of ions from Day 3



Day 5: Use the table of ions from Day 3 & these general equations to help;  
Complete the word equations, write the formulas, & then balance the equations



Day 6: Complete the word equations, write the formulas, and then balance the equations

+1	+2	+3	-3	-2	-1
$\text{NH}_4^+$	$\text{Ca}^{2+}$	$\text{Al}^{3+}$		$\text{O}^{2-}$	$\text{OH}^-$
$\text{Na}^+$	$\text{Mg}^{2+}$	$\text{Fe}^{3+}$		$\text{S}^{2-}$	$\text{Cl}^-$
$\text{K}^+$	$\text{Cu}^{2+}$			$\text{CO}_3^{2-}$	$\text{NO}_3^-$
$\text{Ag}^+$	$\text{Pb}^{2+}$			$\text{SO}_4^{2-}$	$\text{HCO}_3^-$
$\text{H}^+$	$\text{Fe}^{2+}$				
	$\text{Ba}^{2+}$				
	$\text{Zn}^{2+}$				

magnesium + oxygen → \_\_\_\_\_

calcium + water → \_\_\_\_\_

zinc + sulfuric acid → \_\_\_\_\_

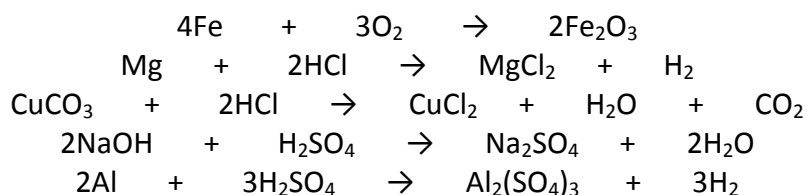
magnesium hydroxide + sulfuric acid → \_\_\_\_\_

sodium hydrogen carbonate + hydrochloric acid → \_\_\_\_\_

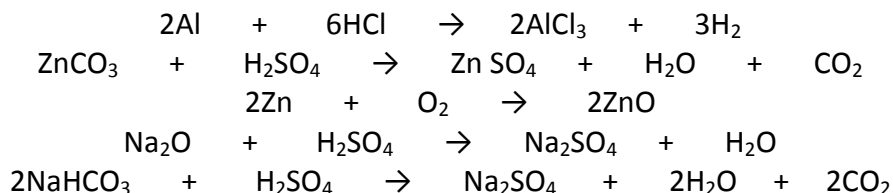
Well done!!

## ANSWERS

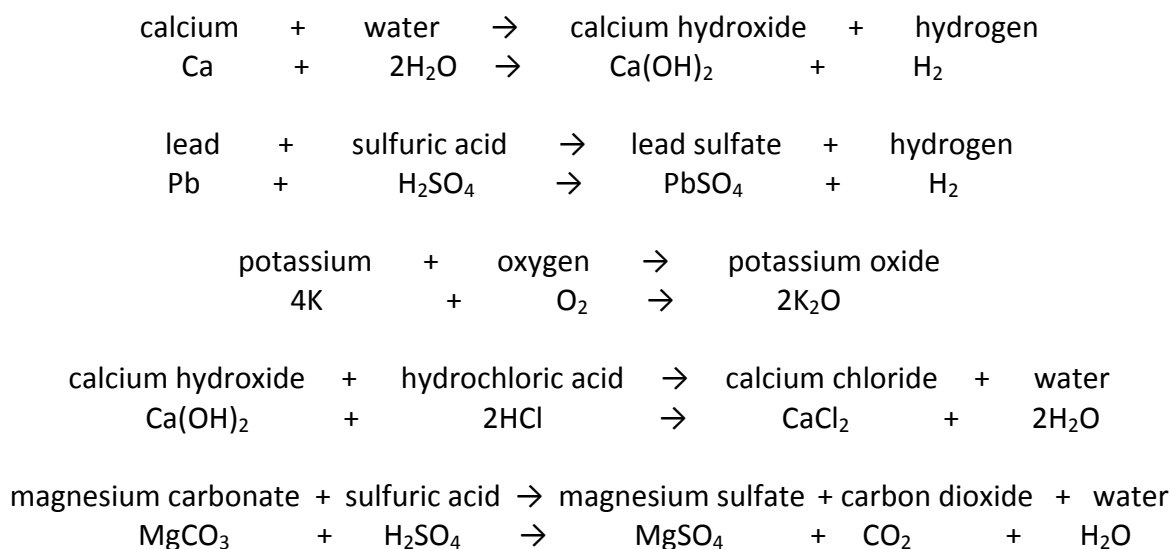
Day 1:



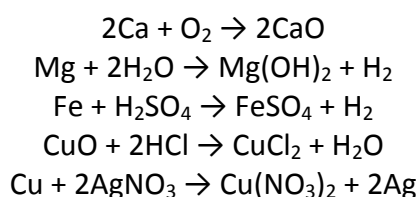
Day 2:



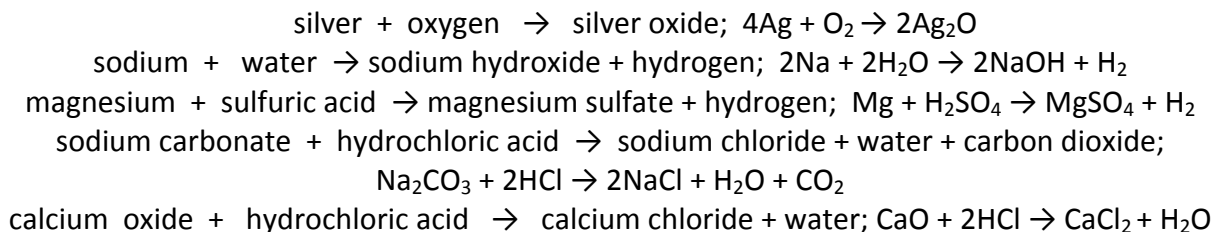
Day 3:



Day 4:



Day 5:



Day 6:

