

WORD EQUATIONS & REACTION TYPES

1. For each of the following word equations, record the type of reaction on the line to the left of the equation. For synthesis use S, decomposition use D, single displacement use SD, and double displacement use DD.
sodium chloride → sodium + chlorine
DD sodium hydroxide + copper sulfate → copper hydroxide + sodium sulfate
<u>SP</u> calcium + silver nitrate → calcium nitrate + silver
SD sodium + magnesium iodide → magnesium + sodium iodide
tin + fluorine → tin fluoride
nickel sulfide → nickel + sulfur
sodium fluoride + aluminum chloride → sodium chloride + aluminum fluoride
2. Complete the following word equations by filling in the blanks. The blanks may be completed by either element names or compound names. aluminum + chlorine > Oluminum Chloride magnesium + Sulfer > magnesium sulfide Copper + Oxygen > copper oxide silver chloride > Silver + Chlorine copper + mercury chloride > Copper Choride + mercury potassium + sodium chloride > potossium elleride + soddum Sodium oxide + hydrogen chloride > soddum chloride + water potassium oxide + hydrogen chloride > soddum chloride + water potassium oxide + hydrogen bromide > soddum chloride + water De potassium oxide + hydrogen bromide > soddum chloride + water De potassium oxide + hydrogen bromide > soddum chloride + water De potassium oxide + hydrogen bromide > soddum chloride + water De potassium oxide + hydrogen bromide > soddum chloride + water De potassium oxide + hydrogen bromide > soddum chloride + water De potassium oxide + hydrogen bromide > soddum chloride + water De potassium oxide + hydrogen bromide > soddum chloride + water De potassium oxide + hydrogen bromide > soddum chloride + water De potassium oxide + hydrogen bromide > soddum chloride + water De potassium oxide + hydrogen bromide > soddum chloride + water De potassium oxide + hydrogen bromide > soddum chloride + water De potassium oxide + hydrogen chloride > soddum chloride + water De potassium oxide + hydrogen chloride + water potassium oxide + hyd

barium chloride + sodium sulfate + sodium chloride
$COrbon + Oxygen \rightarrow carbon dioxide$
magnesium + $\bigcirc \times \vee \bigcirc \bigcirc \bigcirc \bigcirc \bigcirc$ magnesium oxide
magnesium + $O \times y G en$ \rightarrow magnesium oxide sulfur trioxide \rightarrow $Sulfur$ + $O \times y G en$ magnesium + hydrogen chloride \rightarrow $magnesium$ elloride + $Hydrogen$ sodium + nitrogen \rightarrow $Sodium$ $ni + ride$ water \rightarrow $hydrogen$ + $O \times y G en$ silver nitrate + $Coppen$ + $Coppen$ + copper nitrate
magnesium + hydrogen chloride > magnes lun chloride + Hydrogen
sodium + nitrogen > Sodium nitride
water > hydrogen + Oxygen
silver nitrate + $\frac{1}{2} = \frac{1}{2} = \frac{1}{2}$
sodium hydroxide + barium chloride > <u>Sodhum chloride</u> + <u>bardum hydroxide</u> iron chloride + silver > <u>Sliver Chloride</u> + <u>con</u>
iron chloride + silver > Sliver Chloride + 1000
$\frac{iven}{+oxygen}$ → iron oxide