Six Types of Chemical Reaction Worksheet

Balance the following reactions and indicate which of the six types of chemical reaction are being represented:

1)	NaBr + Ca(OH) ₂ \rightarrow CaBr ₂ + NaOH
	Type of reaction:
2)	$_{}$ NH ₃ + $_{}$ H ₂ SO ₄ \rightarrow $_{}$ (NH ₄) ₂ SO ₄
	Type of reaction:
3)	$C_5H_9O + O_2 \Rightarrow CO_2 + H_2O$ Type of reaction:
4)	$ _{} Pb + _{} H_3PO_4 \rightarrow _{} H_2 + _{} Pb_3(PO_4)_2 $
	Type of reaction:
5)	Li ₃ N + NH ₄ NO ₃ \rightarrow LiNO ₃ + (NH ₄) ₃ N Type of reaction:
6)	\longrightarrow HBr + \longrightarrow Al(OH) ₃ \rightarrow \longrightarrow H ₂ O + \longrightarrow AlBr ₃
	Type of reaction:

Mass to Mass Stoichiometry Problems

In the following problems, calculate how much of the indicated product is made. Show all your work.

1) LiOH + HBr \rightarrow LiBr + H₂O

If you start with ten grams of lithium hydroxide, how many grams of lithium bromide will be produced?