

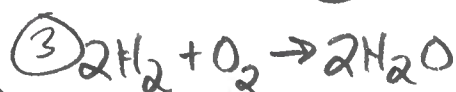
FRIDAY, MAY 2, 2025 CHEMISTRY-3

PRACTICE PREDICTING REACTIONS

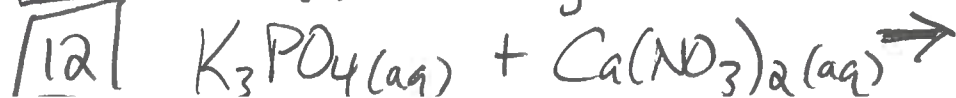
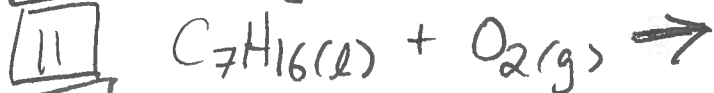
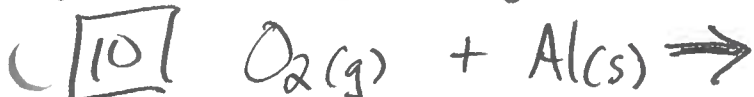
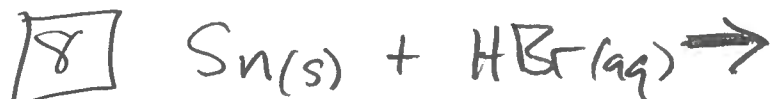
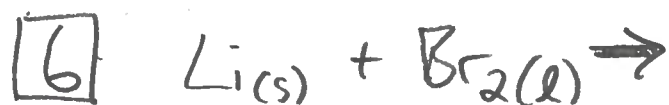
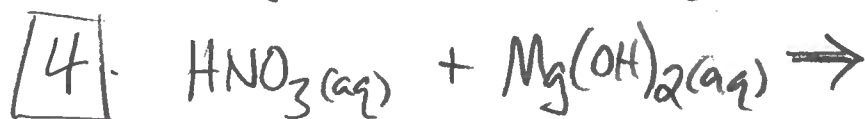
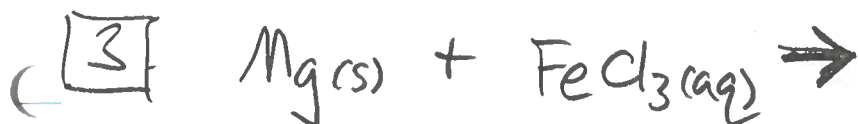
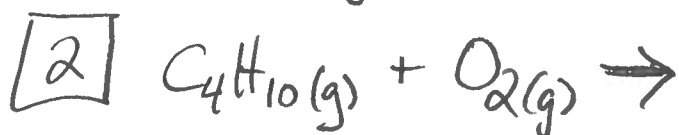
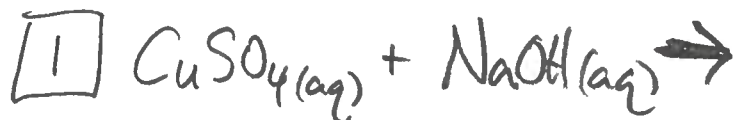
1. IDENTIFY TYPE OF REACTION
2. PREDICT PRODUCTS, COMPLETE EQUATION
3. BALANCE EQUATION
4. WRITE OUT IN WORDS

FOR EXAMPLE

GIVEN $H_2 + O_2 \rightarrow$ (1)
 $H_2 + O_2 \rightarrow H_2O$ — YOU WRITE (2) "SYNTHESIS"



(4) HYDROGEN GAS REACTS WITH OXYGEN GAS TO MAKE WATER.



HOMEWORK

CH. 7 (END)

1-6

31-55 ODD

77-91 ODD

(1)



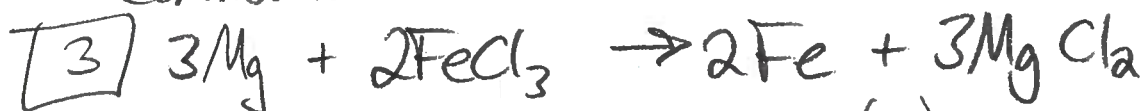
COPPER(II) SULFATE REACTS WITH SODIUM HYDROXIDE
TO MAKE COPPER(II) HYDROXIDE AND SODIUM SULFATE.

DOUBLE REPLACEMENT - PRECIPITATION



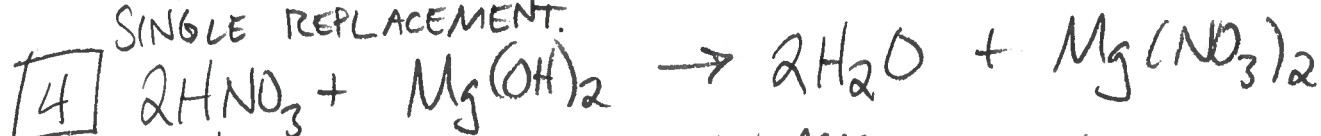
A HYDROCARBON REACTS WITH OXYGEN TO MAKE
CARBON DIOXIDE AND WATER.

COMBUSTION



MAGNESIUM REACTS WITH IRON(III) CHLORIDE TO MAKE IRON
AND MAGNESIUM CHLORIDE

SINGLE REPLACEMENT.



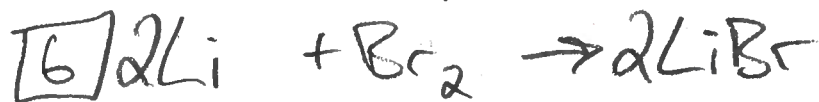
NITRIC ACID REACTS WITH MAGNESIUM HYDROXIDE TO
MAKE WATER AND MAGNESIUM NITRATE

DBL. REPL. - ACID-BASE

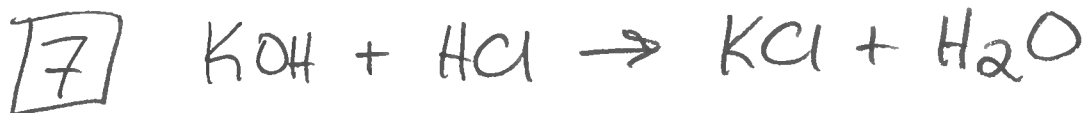


POTASSIUM OXIDE DECOMPOSES TO FORM POTASSIUM
AND OXYGEN

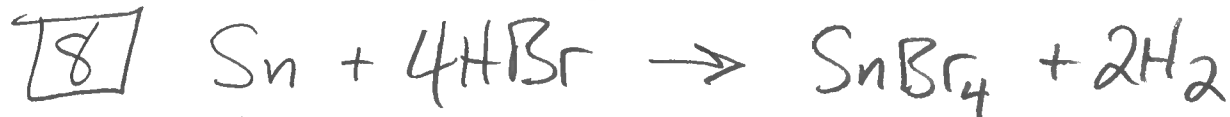
DECOMPOSITION



LITHIUM REACTS WITH BROMINE TO MAKE LITHIUM BROMIDE
SYNTHESIS



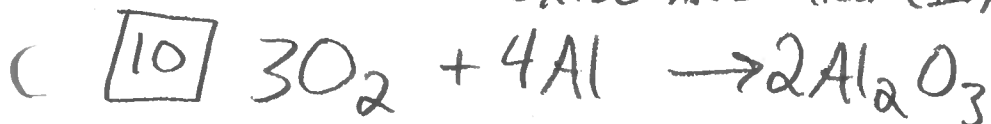
POTASSIUM HYDROXIDE REACTS WITH HYDROCHLORIC ACID TO MAKE POTASSIUM CHLORIDE AND WATER.
DBL. REPL. - ACID-BASE



TIN REACTS WITH HYDROBROMIC ACID TO MAKE TIN(IV) BROMIDE AND HYDROGEN GAS.
SINGLE REPLACEMENT



IRON(III) CARBONATE DECOMPOSES TO FORM CARBON DIOXIDE AND IRON(III) OXIDE.



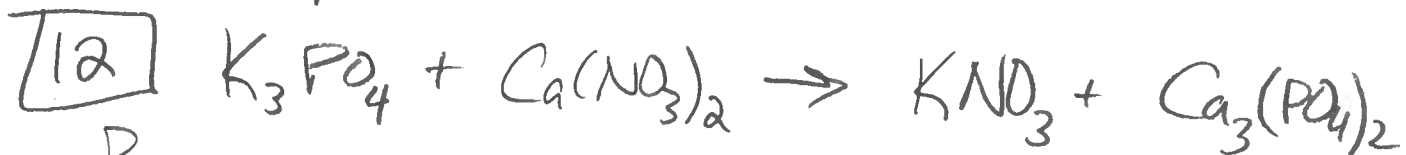
OXYGEN GAS REACTS WITH ALUMINUM TO MAKE ALUMINUM OXIDE

SYNTHESIS



A HYDROCARBON BURNS BY COMBINING WITH OXYGEN TO MAKE CARBON DIOXIDE AND WATER.

COMBUSTION



POTASSIUM PHOSPHATE REACTS WITH CALCIUM NITRATE TO MAKE POTASSIUM NITRATE