Write the balanced chemical equation with state signifiers for the following reaction:

Calcium hydroxide (aq) reacts with phosphoric acid (aq)

Reaction Practice #2

Write the balanced chemical equation with state (Supplemental Signifiers for the following reaction:

Barium chloride and sodium sulfate react.

not redox

Write the balanced chemical equation with state signifiers for the following reaction:

Hydrochloric acid is dripped onto solid calcium carbonate.

2 HCl_(aa) + Ca O_3 (s) \rightarrow Ca O_2 (ag) O_3 (b) O_4 (b) O_4 (c) O_4 (d) O_5 (e) O_4 (f) O_4 (f)

Reaction Practice #4

Write the balanced chemical equation for the following reaction:

Solid magnesium reacts with iodine vapor. (Synthesis)

Mg(s) + Iz -> Mg 12

Xylitol is a sugar alcohol used in chewing gum. Its chemical formula is $C_5H_7(OH)_5$.

Write the balanced chemical equation for the combustion of xylitol.

yes redux

Reaction Practice #6

Examine the following chemical equations. There are mistakes in the chemical formulas. Correct the mistakes and balance the equations.

A) $Zn + HCI \rightarrow ZnCI + H$ B) $CaSO_4 + AlBr_3 \rightarrow CaBr_3 + AlSO_43CaSO_4 + 2AlBr_3 \rightarrow 3CaB_2 + C$ C) $KPO_4 + HCl_2 \rightarrow KCl_2 + HPO_4$ Algorithm

43 PO4 (3)+C10 - 3KC10 + H3PO4

Write the balanced chemical equation for the following reaction:

Chromium(III) perchlorate is heated over a flame.

Deamp

Cr(ClQ1)3 -> CrC13 +602

Reaction Practice #8

Cobalt(IV) carbonate is heated over a flame.

Co (CO3)2 -> Co Oa + 2COa

Write the balanced chemical equation for the following reaction:

Bismuth (V) hydroxide is heated over a flame.

Deamp

2 Bi(OH) 5 -> BiO5 +5H2O

Reaction Practice #10

Write the balanced chemical equation for the following reaction:

Nickel(I) oxide reacts with water.

Synthesis

Ni20+H20 ->2NiOH HOH

Write the balanced chemical equation for the following reaction:

Nickel(I) oxide and carbon dioxide react.

NizO + COz -> Ni, CO2

Reaction Practice #12

Write the balanced chemical equation for the following reaction: Synthesis

Sulfur dioxide is bubbled into water.

50 x + H20 ->

Write the balanced chemical equation for the following reaction:

Zinc sulfide is electrolyzed.

 $ZnS \rightarrow Zn + S$

Reaction Practice #14

Write the balanced chemical equation with state signifiers for the following reaction:

ite single suplainment

Solid magnesium is placed in an iron(III) chloride solution.

Mg is oxidized Fe is reduced

Write the balanced chemical equation with state signifiers for the following reaction:

Sulfurous acid is warmed.

H2SO3
(a)

(g)

Reaction Practice #16

Write the balanced chemical equation with state signifiers for the following reaction:

Solid ammonium carbonate is a compound used in baking. Write the reaction that occurs when it is heated.

(NH4) CO3 -> NH3gi+ H2O+ CC

Write the balanced chemical equation with state signifiers for the following reaction:

Darys Chlang

Aqueous barium hydroxide and ammonium nitrate are combined.

Reaction Practice #18

Write the balanced chemical equation with state signifiers for the following reaction:

single replanent

Solid aluminum is submerged in a sulfuric acid solution.

$$2AI(s) + 3H2SO4(aq) \rightarrow AI2(SO4)3 + 3H2(g)$$
Al is oxidized
H is reduced

Identify the type of reaction and use the appropriate reference material to determine whether each will occur.

- a) Na + H₂O \rightarrow NaOH + H₂ Single Replacement) Will b) Cu + Zn(NO₃)₂ \rightarrow Cu(NO₃)₂ + Zn S.R. NO VXV c) Mg(NO₃)₂ + K₃PO₄ \rightarrow Mg₃(PO₄)₂ + KNO₃ D.R. Will occur d) NaCl + F₂ \rightarrow NaF + Cl₂ (s)

Reaction Practice #20

Deoxyribose is the sugar in DNA, deoxyribonucleic acid. Its chemical formula is $C_5H_{10}O_4$. Combush

Write the balanced chemical equation for the combustion of deoxyribose.

• Write the balanced chemical equation with state signifiers for the following reaction:

A solution of iron(II) nitrate is added to a solution of sulfide. calcium

FE (NO3) (m) + Ca,3(m) ->
FES (s) + Ca(NO3) (m)

Reaction Practice #22

 Write the balanced chemical equation with state signifiers for the following reaction:

Chlorine gas is bubbled into a solution containing cadmium bromide.

Ciz + CiBr2 -> CiCl2 + Br2

 Write the balanced chemical equation with state signifiers for the following reaction:

A solution of copper(II) perchlorate has gold nuggets added to it.

CuCion) + Au - NR

Cu is more reactive

Reaction Practice #24

• Write the balanced chemical equation with state signifiers for the following reaction:

A solution of chlorous acid is poured on top of a piece of barium.

ZHCIO2 + Be -> Be(CiO2)2+HZ

 Write the balanced chemical equation with state signifiers for the following reaction:

Calcium is added to a container filled with water vapor.

Reaction Practice #26

 Write the balanced chemical equation with state signifiers for the following reaction:

Solutions of magnesium acetate and nickel(I) sulfate are mixed in a well plate.

