HW #6 - The Activity Series Chemistry Unit 3

reaction will take place, write the complete balanced equation. Using the activity series, determine if the reaction will take place. If you determine that a

+ CuNO₃ → (assume iron (II) in products

[e+2CuNby-> Fe(110g)z+2Cu AI + Ca(OH)z → 1/1/

5

- ယ Ch +2NaBr > 2Na Cl+ Brz
- Mg to Agonos + 14 (Mas) + 2 Ag
- 211 +2HC1 > 2 6 00 + 42

For questions 6 – 15, first write the formula for the reactants, then determine if the reaction will take place. If it does, write the complete balanced equation for the reaction.

Calcium is dropped into a container of boiling water $C_a + C_b = C_b + C_b$

7. Nickel is mixed with silver chloride (use nickel (II))

Mitake - Miller 245

Ω Mercury comes into contact with a solution of magnesium nitrate (use mercury (I))

9 Zinc is mixed with a sodium chloride solution

2n+ 100 -> 1/1

<u></u> Fluorine gas surrounds a sample of sodium chloride

Silver is placed into a beaker with sulfuric acid $A_5 + H_2504 - 3 NR$

 $\frac{1}{2}$ Ammonium bromide mixes with iodine

Copper (II) nitrate slowly mixes with lithium

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Water is poured onto a large piece of iron Assume F(III)

3 H20 + 2 - F20 + 6H2

Phosphoric acid and potassium are mixed

243 rby -6K ->2Kz rby + 342