

Perform the following text book problems in the space provided.. These problems are **due within the first 5 minutes** of the beginning of lecture on the due date. **No late work will be accepted.** It is suggested that students first work out the assigned problems (found in the syllabus) in which the answers are in the back of the text book.

10.26 a

10.26b

10.26 c

10.26 d

10.28 b

10.28d

10.30 b

10.32b

10.34b

For the following problems : predict, complete, write and balance the following chemical equations:.....A.  
using correct chemical formulas

B. correct physical states for reactants and products { (g),(l),(s), and (aq) } *Hint: Use your solubility rules and activity series!*

1) Solid calcium + bromine(l) ---->

2) Aqueous potassium sulfate + barium iodide(aq) ---->

## Worksheet 11

3) Aqueous lithium phosphate + aqueous tin (II) chloride ---->

4) Solid nickel (III) nitride decomposes

5) Hydrochloric acid + bismuth(V) hydroxide ---->

6) An aqueous solution of ferrous nitrate is poured into a flask containing aluminum metal ---->

7) Gaseous  $C_4H_8$  is combusted ---->

8) Aluminum metal is added to an aqueous solution of manganese (II) nitrate ---->

9) Zinc metal is placed in steam---->

10) Nickel metal combines with oxygen ---->

11) Aluminum carbonate decomposes ---->

12) Chlorine gas + aqueous chromous iodide ---->

13) Hydroiodic acid + chromium metal ---->

14) Water is slowly added to tin metal ---->

15) Solid barium oxide + water---->

