

CHEMISTRY 3A --- WORKSHEET 7

CHAPTER 4

- Identify the following as examples of *chemical* or *physical* changes.
 - glass melting
 - milk being made into cheese
 - a dentist drilling a tooth
 - ironing a shirt
 - a newspaper yellowing in the sun

- For each of the following reactions, show the products that would be expected to form and balance the equation. Be sure to label the state of each substance, e.g. (s), (aq), etc. If no reaction would occur, simply write N.R.
 - $\text{NH}_4\text{Cl}_{(aq)} + \text{Ba}(\text{NO}_3)_{2(aq)} \rightarrow$

 - $\text{Na}_3\text{PO}_{4(aq)} + \text{Fe}(\text{NO}_3)_{2(aq)} \rightarrow$

 - $\text{AlCl}_{3(aq)} + \text{AgNO}_{3(aq)} \rightarrow$

 - Sodium iodide + lead(II) nitrate

3. Balance the following equations.

