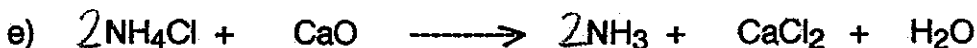
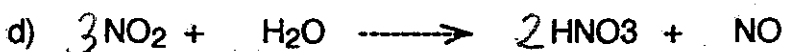
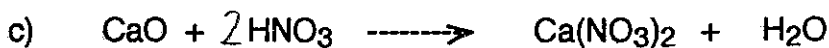
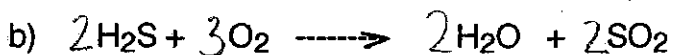


CHEMICAL EQUATIONS TEST

Name _____

Key.

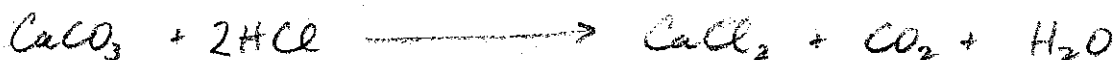
1. Balance the following chemical equations: (1 mark each)



2. Convert the following word equations into balanced chemical equations.

(3 marks each)

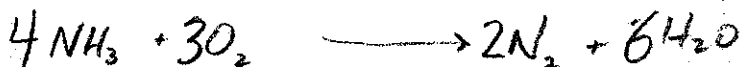
a) Calcium carbonate reacts with hydrochloric acid to produce calcium chloride, carbon dioxide and water.



b) Aluminum reacts with copper II nitrate to produce aluminum nitrate and copper.

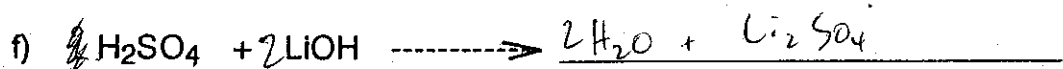


c) Ammonia gas (NH_3) reacts with oxygen gas to produce nitrogen gas and water.

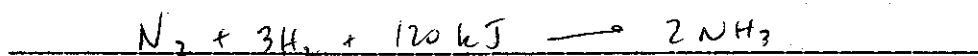


d) Calcium hydroxide reacts with hydrochloric acid to produce calcium chloride and water

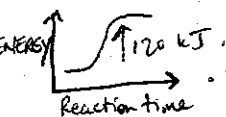




5. Rewrite the following equation using the energy term as part of the equation



6. Is the reaction above exothermic or endothermic? endothermic

b) Draw the graph on next page: 

7. Predict the products of the following reactions (at room temp.). Balance the equation when required:

