

Name _____ Period _____

College Prep Chemistry of the Earth

Assignment 5T – Reaction Review

20 Points

Answer the following questions based on the reactions shown below:

$2\text{NCl}_3(\text{g}) + \text{Heat} \rightarrow \text{N}_2(\text{g}) + 3\text{Cl}_2(\text{g})$		$2\text{Al}(\text{s}) + 3\text{Cu}(\text{NO}_3)_2(\text{aq}) \rightarrow 3\text{Cu}(\text{s}) + 2\text{Al}(\text{NO}_3)_3(\text{aq}) + \text{Heat}$	
Reactants	Products	Reactants	Products
Atoms/Compounds	Atoms/Compounds	Atoms/Compounds	Atoms/Compounds
States of Matter	States of Matter	States of Matter	States of Matter
Reaction Ratio	Energy of Reaction*	Reaction Ratio	Energy of Reaction*

$\text{CaBr}_2(\text{aq}) + \text{Pb}(\text{SO}_4)_2(\text{aq}) \rightarrow \text{CaSO}_4(\text{aq}) + \text{PbBr}_4(\text{s}) + \text{Heat}$		$2\text{HF}(\text{aq}) + \text{Fe}(\text{OH})_2(\text{aq}) \rightarrow 2\text{H}_2\text{O}(\text{l}) + \text{FeF}_2(\text{aq}) + \text{Heat}$	
Reactants	Products	Reactants	Products
Atoms/Compounds	Atoms/Compounds	Atoms/Compounds	Atoms/Compounds
States of Matter	States of Matter	States of Matter	States of Matter
Reaction Ratio	Energy of Reaction*	Reaction Ratio	Energy of Reaction*

*Energy of Reaction: Exothermic and Endothermic