

Science 1.8 AS 90947 Investigate selected chemical reactions

Precipitation Reactions – Using solubility rules to predict precipitates

Success Criteria: complete each level before moving onto the next

o Basic: beside each compound write **S** (soluble) or I (insoluble)

o Proficient: write the solubility rule used with exceptions

o Advanced: give the **formula** for each compound

Ion	Rule	Exceptions	
nitrate	soluble		
chloride	soluble	silver and lead	
sulfate	soluble	lead, calcium, barium	
carbonate	insoluble	sodium	
hydroxides	insoluble	sodium	

SorI	solubility rule used	formula of
		compound
	SorI	S or I solubility rule used