

# Chemistry 12

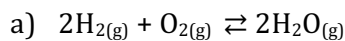
## Enthalpy & Entropy Worksheet

Name:

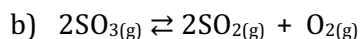
Date:

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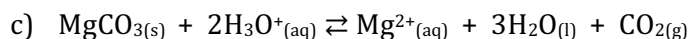
1. For each of the following reactions, predict whether the entropy favours the reactants or products.



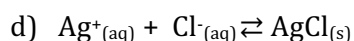
Reactants



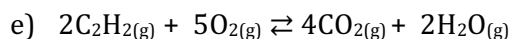
Products



Products



Reactants

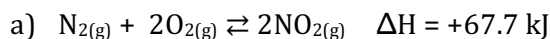


Reactants



Reactants

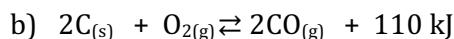
2. On the basis of enthalpy and entropy, predict whether each of the following reactions would be spontaneous, non-spontaneous or at equilibrium.



Minimum enthalpy favours (reactants/products)

Maximum entropy favours (reactants/products)

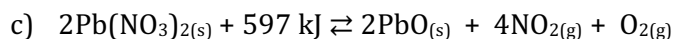
Spontaneous          Non-spontaneous          Equilibrium



Minimum enthalpy favours (reactants/products)

Maximum entropy favours (reactants/products)

Spontaneous          Non-spontaneous          Equilibrium



Minimum enthalpy favours (reactants/products)

Maximum entropy favours (reactants/products)

Spontaneous          Non-spontaneous          Equilibrium