

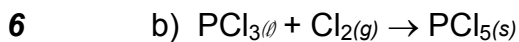
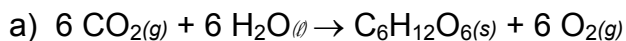
## Chemistry 30

## Unit 1: Energy Changes in Chemical Reactions

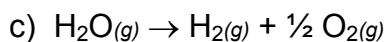
Assignment 4: Section 3-1

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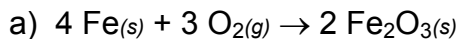
1. Predict (do not calculate) whether  $\Delta S$  will be positive or negative, **and explain** your answer:



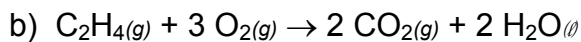
(2 marks each)



2. Calculate  $\Delta S$  using values from the *Thermochemical Data* handout.

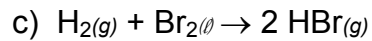


**2**

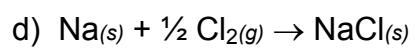


**2**

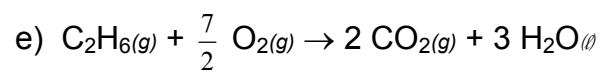
Name: \_\_\_\_\_



**2**



**2**



**2**