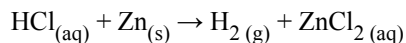


Practice Questions: Factors Influencing Reaction Rate - Concentration & Pressure – WS #5

1. Consider the following reaction that occurs between hydrochloric acid, HCl, and zinc metal:



Will this reaction occur fastest using a 6 M solution of HCl or a 0.5 M solution of HCl? Explain.

2. Again consider the reaction between hydrochloric acid and zinc. How will increasing the temperature affect the rate of the reaction? Explain.

3. Based on the following kinetic energy curves, which reaction will have a faster rate - A or B? Explain. Also, which reaction, A or B, would benefit most in terms of increased rate if the temperature of the system were increased?

