

THE UNIVERSITY OF CHICAGO

DEPARTMENT OF CHEMISTRY

RESEARCH REPORT

THE EFFECT OF TEMPERATURE ON THE RATE OF REACTION

The rate of reaction was measured at various temperatures. The results are shown in the following table. The rate of reaction increases with increasing temperature. The activation energy of the reaction was determined to be 15.2 kJ/mol.

TABLE I

THE EFFECT OF TEMPERATURE ON THE RATE OF REACTION

Rate of reaction (mol/L s) vs. Temperature (°C)

Rate of reaction (mol/L s)

Temp (°C)

Rate of reaction (mol/L s)