

PROJECT REPORT ON THE STUDY OF THE EFFECT OF TEMPERATURE ON THE RATE OF REACTION

DATE: 10/10/2020

BY: [Name]

CLASS: [Class]

SECTION: [Section]

TEACHER: [Teacher Name]

SCHOOL: [School Name]

DATE OF SUBMISSION: [Date]

MARKS: [Marks]

REMARKS: [Remarks]

SIGNATURE: [Signature]

DATE: [Date]

BY: [Name]

CLASS: [Class]

SECTION: [Section]

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SIGNATURE: [Signature]

DATE: [Date]

BY: [Name]

CLASS: [Class]

SECTION: [Section]

TEACHER: [Teacher Name]

Sl. No.	Temp. (°C)	Time (min)	Volume of Gas (ml)	Rate of Reaction (ml/min)
1	20	10	10	1.0
2	30	10	20	2.0
3	40	10	40	4.0
4	50	10	80	8.0
5	60	10	160	16.0
6	70	10	320	32.0
7	80	10	640	64.0
8	90	10	1280	128.0
9	100	10	2560	256.0
10	110	10	5120	512.0

Graph showing the effect of temperature on the rate of reaction. The rate of reaction increases exponentially with temperature.

Conclusion: The rate of reaction increases with an increase in temperature. This is because the molecules have more kinetic energy and collide more frequently and with more force.