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The following table shows the results of the experiment. The data is recorded in the table below.

Sl. No.	Time (s)	Distance (m)	Velocity (m/s)	Acceleration (m/s ²)
1	0.0	0.0	0.0	0.0
2	0.2	0.05	0.25	1.25
3	0.4	0.20	0.50	1.25
4	0.6	0.45	0.75	1.25
5	0.8	0.80	1.00	1.25
6	1.0	1.25	1.25	1.25
7	1.2	1.80	1.50	1.25
8	1.4	2.45	1.75	1.25
9	1.6	3.20	2.00	1.25
10	1.8	4.05	2.25	1.25

The graph of Distance vs. Time is shown below. The curve is a parabola, indicating constant acceleration.

The graph of Velocity vs. Time is shown below. The curve is a straight line, indicating constant acceleration.

The graph of Acceleration vs. Time is shown below. The curve is a horizontal line, indicating constant acceleration.

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The graph of Acceleration vs. Time is shown below. The curve is a horizontal line, indicating constant acceleration.

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