The concentration of a reactant in a solution reaction was plotted against time.

![Graph showing concentration over time](image)

**a** Explain why the reaction slows down over time.

**b** Calculate the initial rate of reaction (at time = 0 seconds) by drawing a tangent and finding the gradient.

**c** Calculate the rate of reaction at time = 40 seconds by drawing a tangent and finding the gradient.

**d** The reaction would be faster if carried out at a higher temperature. Explain why.