

Competition Corner: Initial-Rate Evidence
g11_u03_w09

Original fictional paper data only; no chemical activity or mechanism claim is requested.

1. Doubling X changes rate by 8; doubling Y changes rate by 4. Write a rate law and factor if X halves and Y triples.
2. With Y fixed, X doubles and rate changes .0120 to .0480 M/s; with X fixed, Y triples and rate changes .0120 to .0360 M/s. Infer a rate law and state one evidence limit.